# APPENDIX I WELL SURVEY DOCUMENTATION

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

#### WELL SEARCH DISTANCE INFORMATION

DATABASE

SEARCH DISTANCE (miles)

Federal USGS

1.000

Federal FRDS PWS

Nearest PWS within 1 mile

State Database

1.000

#### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	FROM TP
A1	USGS2484851	0 - 1/8 Mile ENE
A2	USGS2484853	1/8 - 1/4 Mile ENE

#### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

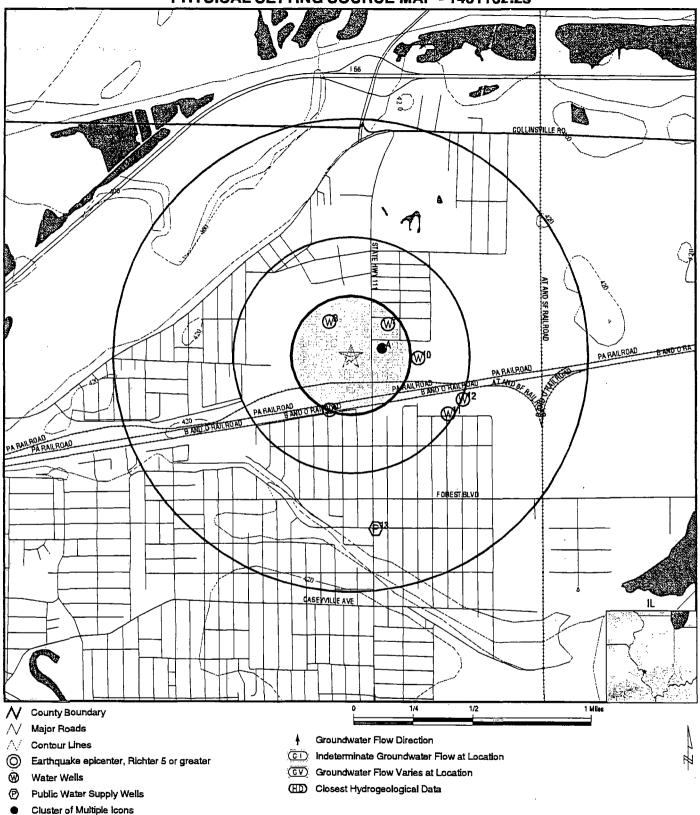
MAP ID	WELL ID	FROM TP
13	IL3008656	1/2 - 1 Mile South

Note: PWS System location is not always the same as well location.

#### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	FROM TP
	GIL00140659	1/8 - 1/4 Mile East
B4	GIL00140764	1/8 - 1/4 Mile NNW
B5	GIL00140763	1/8 - 1/4 Mile NNW
B6	GIL00140762	1/8 - 1/4 Mile NNW
7	GIL00140761	1/8 - 1/4 Mile NE
C8	GIL00140770	1/8 - 1/4 Mile SSW
C9	GIL00140769	1/8 - 1/4 Mile SSW
10	GIL00141324	1/4 - 1/2 Mile East
11	GIL00140773	1/4 - 1/2 Mile ESE
12	GIL00140772	1/2 - 1 Mile ESE

## PHYSICAL SETTING SOURCE MAP - 1401162.2s



TARGET PROPERTY: ADDRESS: CITY/STATE/ZIP:

LAT/LONG:

Former American Zinc 2575 Kings Highway Fairmont City IL 62201 38.6457 / 90.0948 CUSTOMER: CONTACT: INQUIRY #:

DATE:

Entact, Inc. Pat Thomson 1401162.2s April 18, 2005 8:48 am

## GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

•			v		
Map ID					
Direction					
Distance Elevation				Database	EDR ID Number
A1_					
ENE 0 - 1/8 Mile		·		FED USGS	USGS2484851
Higher					
Agency cd:		USGS	Site no:	383846090053301	
Site name:		2N 9W- 3.8b1	Latitude:	383846	
Longitude:		900533	Dec lat:	38.64616114	
Dec Ion:		-90.09260729	Coor meth:	M	
Coor accr:		F	Lationg datum:	NAD27	
Dec lationg	datum:	NAD83	District:	17	
State:	•	17	County:	163	
Country:		US	Land net:	Not Reported	
Location m	ap:	MONKS MOUND, IL	Map scale:	Not Reported	
Altitude:	•	Not Reported	Altitude method:	Not Reported	
Altitude acc	сигасу:	Not Reported	Altitude datum:	Not Reported	
Hydrologic:		CahokiaJoachim. Illinois, Missour	ri. Area = 1650 sq.mi.		
Topograph	ic:	Not Reported			
Site type:		Ground-water other than Spring	Date construction:	Not Reported	
Date invent	toried:	Not Reported	Mean greenwich time offset:	CST	
Local stand	lard time flag:	N	Type of ground water site:	•	n collector or Ranney type
Aquifer Typ		Not Reported	Aquifer:	Not Reported	
Well depth:		Not Reported	Hole depth:	Not Reported	
Source of o	•	Not Reported	Project number:	441705200	
Real time d	_	0	Daily flow data begin date:	0000-00-00	
•	data end date:	0000-00-00	Daily flow data count:	0	
	data begin date:		Peak flow data end date:	0000-00-00	
Peak flow o		0	Water quality data begin date:		
•	ity data end date		Water quality data count:	2	
	ter data begin da ter data count:	ate: 1982-09-23 1	Ground water data end date:	1982-09-23	
Ground wa	ter data count.	•			
Ground-wa	iter levels. Numb	per of Measurements: 1			
	Feet below	Feet to			
Date	Surface	Sealevel			
1982-09-23	3 19.30				
A2	•				
ENE 1/8 - 1/4 Mile				FED USGS	USGS2484853
Higher					
<u> </u>		HECE	Cita	202047000050004	
Agency cd:		USGS	Site no:	383847090053301	
Site name:		2N 9W- 3.8b2	Latitude:	383847	
Longitude:		0900533	Dec lat:	38.64643892	
Dec Ion:		-90.09260728	Coor meth:	M NADOZ	
Coor accr:	a alastu man	U NADRO	Lationg datum:	NAD27	
Dec lations	y datum:	NAD83	District:	17	
State:		17 US	County:	163 Not Reported	
Country:	ian:		Land net:	Not Reported	
Location m	iap.	Not Reported	Map scale:	Not Reported	
Altitude:	a ima	Not Reported	Altitude method:	Not Reported	
Altitude ac	•	Not Reported	Altitude datum:	Not Reported	
Hydrologic Topograph		CahokiaJoachim. Illinois, Missou Not Reported	n. Area - 1000 Sq.IIII.		
Site type:	iio.	Ground-water other than Spring	Date construction:	Not Reported	
Date inven	toried:	Not Reported	Mean greenwich time offset:	CST	
Dare IIIAGII	ioneu.	Hot Hebolied	mean greenman une onset.	<del></del>	

## GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:

Type of ground water site:

Single well, other than collector or Ranney type

Aquifer Type: Well depth:

Not Reported Not Reported Aquifer: Hole depth: Not Reported Not Reported

Source of depth data: Real time data flag:

Not Reported 0

Project number: Daily flow data begin date:

Not Reported 0000-00-00

Daily flow data end date:

0000-00-00

Daily flow data count:

0

Peak flow data begin date: 0000-00-00

0000-00-00 Peak flow data end date: Water quality data begin date: 1982-09-23

Peak flow data count:

Water quality data count:

Water quality data end date:1982-12-16

Ground water data begin date: 0000-00-00

Ground water data count: 0

Ground water data end date: 0000-00-00

Ground-water levels, Number of Measurements: 0

A3 East 1/8 - 1/4 Mile Higher

IL WELLS

GIL00140659

Info Source:

IL Geological Survey 121630144200

Group Number:

31

API ID: Well Type: X Coord:

Water Well 2831844

Boring: Y Coord:

0 2048535

B4 NNW 1/8 - 1/4 Mile

IL WELLS

GIL00140764

Higher

Info Source: API ID:

IL Geological Survey

121630188800

Group Number: Boring:

31 n

Well Type: X Coord:

Water Well 2830545

Y Coord:

2049257

NNW 1/8 - 1/4 Mile Higher

IL WELLS

GIL00140763

Info Source:

IL Geological Survey

API ID: Well Type: 121630188700 Water Well

Group Number: Boring:

31

X Coord:

2830545

Y Coord:

2049257

1/8 - 1/4 Mile Higher

IL WELLS

GIL00140762

Info Source:

API ID:

IL Geological Survey

121630188600 Water Well

Group Number: Boring:

0

Well Type: X Coord:

2830545

Y Coord:

2049257

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction					
Distance Elevation				Database	EDR ID Number
7 NE 1/8 - 1/4 Mile Higher				IL WELLS	GIL00140761
Info Source: API ID: Well Type: X Coord:	IL Geological Survey 121630188500 Water Well 2831850	Group Number: Boring: Y Coord:	31 0 2049198		
C8 SSW 1/8 - 1/4 Mile Higher				IL WELLS	G!L00140770
Info Source: API ID: Well Type: X Coord:	IL Geological Survey 121630189400 Water Well 2830533	Group Number: Boring: Y Coord:	31 0 2047293		
C9 SSW 1/8 - 1/4 Mile Higher				IL WELLS	GIL00140769
Info Source: API ID: Well Type: X Coord:	IL Geological Survey 121630189300 Water Well 2830533	Group Number: Boring: Y Coord:	31 0 2047293		
10 East 1/4 - 1/2 Mile Higher				IL WELLS	GIL00141324
info Source: API ID: Well Type: X Coord:	IL Geological Survey 121630360000 Water Well 2832515	Group Number: Boring: Y Coord:	31 0 2048439		
11 ESE 1/4 - 1/2 Mile Higher				IL WELLS	GIL00140773
Info Source: API ID: Well Type: X Coord:	IL Geological Survey 121630189700 Water Well 2833156	Group Number: Boring: Y Coord:	31 0 2047199		

## GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Database EDR ID Number Elevation 12

ESE 1/2 - 1 Mile Higher

IL WELLS GIL00140772

Info Source:

IL Geological Survey

121630189600 API ID: Well Type: Water Well

2833485 X Coord:

Group Number:

Boring: Y Coord:

2047516

31

South 1/2 - 1 Mile Lower

PWS ID:

IL3008656

PW\$ Status:

Active Date Deactivated: Not Reported

Date Initiated: 7706 EAST SIDE HEALTH DISTRICT PWS Name:

5540 BUNKUM RD

WASHINGTON PK IL 62204

Addressee / Facility:

System Owner/Responsible Party GATEWAY MIDSTATE TRUCK PLAZA

699 HWY 203

EAST ST LOUIS, IL 62201

Facility Latitude: City Served:

38 38 06

Not Reported

Treatment Class:

Treated

Facility Longitude: 090 05 34

Population:

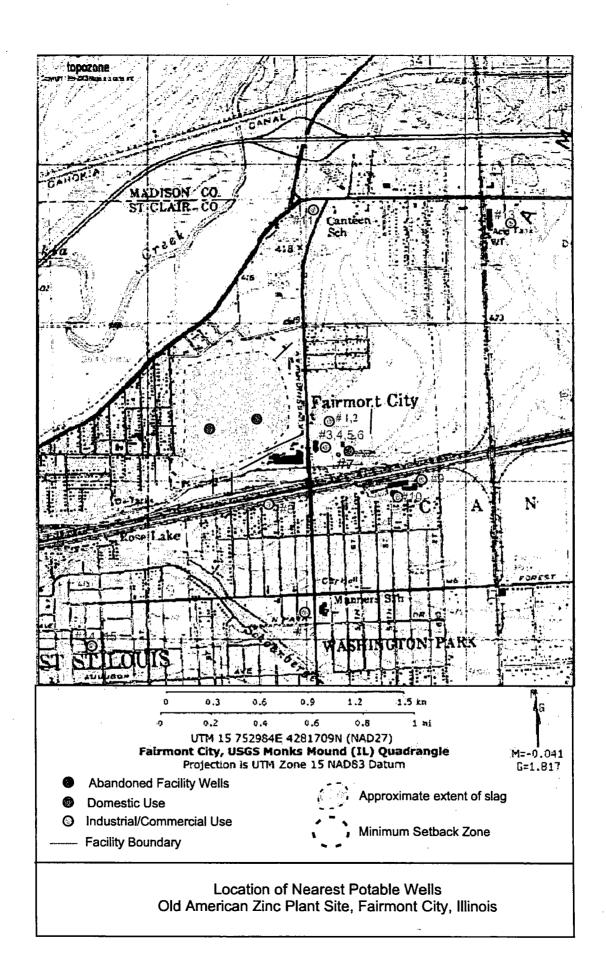
00000050

**FRDS PWS** 

IL3008656

PWS currently has or had major violation(s) or enforcement:

No





## Illinois State Water Survey

Main Office • 2204 Gnffith Drive • Champaign, IL 61820-7495 • Tel (217) 333-2210 • Fax (217) 333-6540

Peoria Office • P.O. Box 697 • Peoria, IL 61652-0697 • Tel (309) 671-3196 • Fax (309) 671-3106



NATURAL RESOURCES

3/20/2006

Ms. Melanie Gotto ENTACT & Associates 1010 Executive Court, Suite 280 Westmont, IL 60559

Dear Ms. Gotto:

As you requested in your electronic message on March 06, 2006, we are enclosing copies of water well construction reports for the following locations:

<u>COUNTY</u>	<b>TOWNSHIP</b>	<u>RANGE</u>	<b>SECTIONS</b>
ST. CLAIR	2 NORTH	9 WEST	2-10, 14-18
ST. CLAIR	3 NORTH	9 WEST	26-35

The enclosed statement reflects the charges for this request which includes a \$45.00 paper document fee and a \$0.10 per page charge for 190 pages, plus a \$5.00 shipping and handling fee, totaling \$69.00.

If you have any questions or if I can be of further assistance, please call

Sincerely,

Susie Dodd-Casey

Associate Supportive Scientist Center for Groundwater Science

Phone: (217) 333-9043

Enclosures as stated

November 21, 1972

#### PARTIAL ANALYSIS

Sample of water collected October 9, 1972 from Well No. 13 owned by the Allied Chemical Corporation in East St. Louis, Illinois in St. Clair County. Location of well: 250'N, 1000'E of the SW corner of Sec. 3.7a-T2N-R9W. Depth of well: 115 feet.

### LABORATORY NO. 190242

		mg/l	me/l			mg/l	me/1
Iron(total) Manganese	Fe Mn	56. 5.87		Fluoride Nitrate Chloride Sulfate	f NO <sub>3</sub> C1 SO <sub>4</sub>	0.8 0.4 17. 1007.9	.01 .48 20.96
Turbidity Color	_	521 0		Hardness	(as CaCO <sub>3</sub> )	1040.	20.80
Odor Temp. (report	ed)	0 57.0°F.		Total Dissol	ved Minerals	1590.	

mg/l = milligrams per liter
me/l = milliequivalents per liter
mg/l x .0583 = grains per gallon

## ILLINOIS STATE WATER SURVEY

Laurel M. Henley Associate Chemist

## WELL INVENTORY SCHEDULE

WELL INVENTORY SCH	EDULE	Well No. 57	
Jacobian == -	County		
Feet from Sec. Cor. 2	p. No. 2/1 Range Page		
Owner Allie - Carrier	Address E. This was	- + + + + + + + + e	
Driller	Address	<del>  + + + + + + -                         </del>	
Date drilled /9/60 Met	chod		
Depth //5 Hole record	1 <i>38 "</i>	87654321	
	cel +1.6'-9416' . 0.03		
Screen record MAP - Johnson	11 Thai 103 - 400/ 20" 9	4.6-1151	
Log - hark Dril	ll cuttings	Sample set no	
	/fromto		
Land surface elev.	Topography		
	above	АМ	
Nonpumping level	_below measuring point on	at PM	
		(date)	
Pumping level	<pre>above _below measuring point after p</pre>	oumping at	
		AM	
gpm for	hours on at (date)	PM	
	(date)		
Measuring point (MP) for a	above measurements		
Airline and measuring equi	lpment		
Pump and power	·····		
Use of water			
Water quality			
Analysis No. and dateTemp5766			
Data collected by W. 14. E. Date 10-9-72			
Source of information Hr. D. E. Sanda 47 4 505 500			
Can well be used in pumping test? Are nearby observation			
wells available? Are pumping records available?			
	vailable?		
Remarks:			

## ILLINOIS STATE WATER SURVEY

## Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:
City Cach Sharees County of Man
Name of owner are that hash Produce too
Exact identification of well Zan I
Exact location of well So Each Der heaperty
Sample collected on (date) Mulz gat (time) 12 norus
after hours pumping at 300 gal. per min.
Tap used for sample*: (at well) storage tank, distribution system
Depth of well //Sfeet. Diameter // inches,
Cased to 96 feet. Screen from 96 feet to 115 feet
Where possible report also:
Log of well
Date drilled 1939 Well driller Wakene I Shake
Major repairs 71 321
Type of pump State Leave
Hours or days in use per week 7 days
Non-pumping level 23 feet. Pumping level 32 feet
expressed as: * Mean Sea level. Feet below top. Gage reading.
Sea level elevation of top of well well
Temperature of water so Sample collected by Deceptor
For office use: Analysis No. 95635
*circle the correct designation.

American Asphalt Co., 31st and St. Clair

Drilled by H. L. Watson (Bud Graves)

Feb. 1947

Formations passed through	Thickness	Depth of bottom
Fine sand	76	76
Med. formation	29	105 TD
1	Bedro	ock > 120'
Static level from surf. 33'		
Slot 40	777 D. K. L. R.	w -17.26
Diam. 10	27007	w - 1 1. 20
Lenght 26' 8"	والمستحدد	ci 410

٠.

May 5, 1943

SHORT PARTIAL ANALYSIS

57C2N9N-4.4a

Sample of water collected April, 1943 from well owned by the American Zinc Co., Fairsont, St. Clair County, Illinois: Logation of well: 400' N. & 2200' W. Sec. 4, T. 2 N., R. 9 W. Depth: 1002.

## LABORATORY NO. 95864

#### Determinations made

Pts.per million

Turbidity	mor e	than	100
Color	Ħ	C.	100
Odor			C <sub>m</sub>
Iron	Fe		
(filtered)			0.0
(unfiltered)			112.4
Chloride	<b>Gl</b>		42.5
Alkalinity (as	Cacoa)		
Phenolphthalein			0.0
Hethyl Orange			270.0
Total Hardness (as	CaCO <sub>a</sub> )	3	1273.
Total Mineral Cont	tent	-	L882.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL: AB

57c2N9W-4.36

## Hay 5, 1943

## SHORT PARTIAL ABALYSTS

Sample of water Collected March 30, 1943 from well owned by the American Zinc Co., Fairment, St. Clair County, Illinois. Location of well: 1300 N. & 1900 S. ef Sw. Cor., Sec. 4, T. 2 H., R. 9 W. Depth: 100-110 .

#### LABORATORT RO. 95798

#### Determinations mede

	Pts.per million
Turbidity	140.0
Color	140.0
Cder	0.0
Iron Fe	
(filtered)	0.0
(unfiltered)	4.2
Chloride Cl	4.5
Alkalinity (as CaCOa)	•
Phenolphthalein	0.0
Methyl Orange	382.0
Total Hardness (as CaGCa)	919.
Total Mineral Content	1176.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL:AB

*:* .

STC2Naw-A.3c

## May 5, 1943

## SHORT PARTIAL ANALYSIS

Sample of water collected Earch 30, 1943 from well owned by the American Einc Co., Fairmont, St. Ulair, County, Illinois. Location of well: 1800 N., & 1850 Y. SE. Cor., Sec. 4, T. 2 N., R. S W. Dopth: 132

### LABORATORY NO. 95725

#### Determinations mede

	Pta-per
	million
Turbidity	130.
Color	130.
Odor	0.
Iron Fa	
(filtered)	0.0
(unfiltered)	6.2
Chloride Cl	13.0
Alkalinity (as CaCo.)	
Phonolphthalein	9.0
Methyl Orange	314.0
Total Hardness (as CaCCa)	401.
Total Kineral Content	477.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TELIAB

217-717

## ILLINOIS STATE WATER SURVEY

## Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagmant water.

Name of owner from County  Exact identification of well from Care for well  Exact location of well 1300 N = 1900 N = 5 from  Sample collected on (date) 3-30-47 at (time)  after hours pumping at 1000 gal. per min.
Exact identification of well $300 \text{ N} = 1900 \text{ M} = 500 \text{ M} $
Exact location of well $1300 \text{ N} = 1900 \text{ W} = 1600 \text{ M} = 1600 \text$
Exact location of well $1300 \text{ N} = 1900 \text{ W} = 1600 \text{ M} = 1600 \text$
Sample collected on (date) 3-30-43 at (time) 2
Tap used for sample*: at well storage tank, distribution system
Depth of well feet. Diameter inches,
Cased to feet. Screen from feet to feet
Where possible report also:
Log of well
Date drilled Od 122 Well driller Warson
Major repairs
Type of pump A
Hours or days in use per week 7 in a reserve
Non-pumping level feet. Pumping level feet
expressed as: * Mean Sea level. Feet below top. Gage reading.
Sea level elevation of top of well
Temperature of water Sample collected by disk
For effice use: Analysis No. 95726

\*circle the correct designation.

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## ILLINOIS STATE WATER SURVEY

## Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:
city Fairmost county St Clair
Name of owner Ann. Paris Co
Exact identification of well Del Plant for 1 Well
Exact location of well 1500 N 1850 W SF (or Sec 4
IZN RAW
Sample collected on (date) 3-30-47 at (time) 130 PM
after hours pumping at 1800 gal. per min,
Tap used for sample*: at well, storage tank, distribution system
Depth of well 177 feet. Diameter 6 inches,
Cased to 92 feet. Screen from 92 feet to 122 feet
Where possible report also:
Log of well - 3-15 his sound -5-55 his lands from State for the former his sound to -125 Gamesand.
Date drilled Well driller Wars on 155-115 Print na
Major repairs
Type of pump A) Cook
Hours or days in use per week 2 ho of say
Non-pumping level 15-2 feet. Pumping level feet laund feet
expressed as: * Mean Sea level. Feet below top. Gage reading.
Sea level elevation of top of well
Temperature of waterSample collected by
For office use: Analysis No. 95725
*circle the correct designation.

American Zinc Co., Monsanto, Ill.

Drilled by H. L. Watson (G. W. Fink)

Nov. 1950

Formations passed through	Thickness	Depth of bottom
Mud	35	35
Sand	45	80
Med. sand	20	100
Sand and coarse gravel	4	104
Diam. 40"	STC ZNIOW 26.	213
Length 60'	Chrotian 413	)
		P-244661

American Zinc, Fairmont City, Ill.

Drilled by H. L. Watson (Bud Graves)

June 1942

Formations passed through	Thickness	Depth of bottom
No log	70	
Fine sand	5 .	75
Fine sand and gravel	10	. 85
Fine sand	10	95
Med. sand and gravel	5 <sup>-</sup>	100
Coarse sand and gravel	.5	105
Fine pink sand	5	110
Pink sand	5	115
Pink sand and gravel	7	122

Static level from surf. 25'9"

Tested capacity 806 gpm

Diam. 16

STC 2NQW-4-26 Country 420

2:

## ILLINOIS STATE WATER SURVEY



## Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:
City Fairnon- County St. Clar
Name of owner Annay Zuc
Exact identification of well From Hand
Exact location of well 100'N 1800'W of SE Con
See 4 T2N R 9W
Sample collected on (date)
after 5 hours pumping at gal. per min.
Tap used for sample*: at well storage tank, distribution system
Depth of well 1/9 feet. Diameter inches,
Cased to 72 feet. Screen from 72 feet to 1/2 feet
Where possible report also:
Log of well
Date drilled 1939 Well driller Marine
Major repairs / / / / / / / / / / / / / / / / / / /
Type of pump
Hours or days in use per week 2
Non-pumping level feet. Pumping level feet
expressed as: Mean Sea level. Feet below top. Gage reading
Sea level elevation of top of well
Temperature of waterSample collected by
For office use: Analysis No. 95772
*circle the correct designation.

## City Ice and Fuel - Banner Ice- 13th St.

Drilled by H. L. Watson (Oscar Waly)

May 1946

Formations passed through	${ m Thickness}$	Depth of bottom
Mud	37	37
Sand and gravel	19	56
Mud	1	57
Fine sand	33	90
Mud, rocky and fine sand	2	92
Coarse sand and gravel	5	97
Pink sand	3	100
Pink fine sand and rocks	5	105
Coarse pink sand and gravel	5	110
Med. " " " .	6	116 TD

Near bedrock

Static level from surf. approx. 261

Slot 20

Diam. 12

Length 17' 5"

STC 2N 9W-18.5 h 1

Elevation 415

37 8

•

2 52

Banner Ice Co., 917 N. 13th St., E. St. Louis, Ill.

Drilled by H. L. Watson (Moretti)

Apr. 1941

	Thickness	Depth of bottom
Formations passed through		70
	70	75
No log	5	, ,
Fine sand	10	<b>3</b> 5
Fine sand and gravel	5	90
Fine sand		100
Coarse sand and gravel	10	105
	5	·
Fine sand and gravel	5	110
Coarse sand and gravel	5	115 TD
n n n	-	I. Laborat

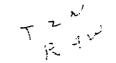
Near Redrock

Diam. 12"

Length 1819"

STC a Naw-18,5h2

## ILLINOIS STATE WATER SURVEY



## Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagmant water.

Data needed for each sample:
City Est Jours County It Man
Name of owner Cistle Patieng Co
Exact identification of well 70.00 70.7
Exact location of well 2.50 7.8 A A A A A A A A A A A A A A A A A A A
Sample collected on (date) Olag 19 at (time) /2 /
after / hours pumping at 35 gal. per min.
Tap used for sample*: at well, storage tank, distribution system
Depth of well // feet. Diameter // inches,
Cased to 10 feet. Screen from 9/ feet to /// feet
Where possible report also:
Log of well
Date drilled 1941 Well driller 119 To To The Asset 1860 A
Major repairs <u>none</u>
Type of pump Starling Hout, Drive
Hours or days in use per week / 8
Non-pumping levelfeet. Pumping levelfeet
expressed as: Mean Sea level. Feet below top. Gage reading.
Sea level elevation of top of well 420 47
Temperature of water 60 Sample collected by
For office use: Analysis No. 37/43
*circle the correct designation.

- (22)

## August 25, 1943

## SHORT PARTIAL ANALYSIS

STC2Nat-1.6d

Sample of water collected August 17, 1943 from well owned by the Circle Packing Co., Well So. 2, East St. Louis, Illinois. Location of well: 250 ME of office. Depth of well: 111. Rate of pumping: 350 gpm. after 15 hours. 319 Winstanley Avel Hear center Sec. 7, T. 2 B., R. 9 E.

#### LABORATORY NO. 97143

#### Determinations Made

	Pts.per Killion
Turbidity	100
Color	0
Odor	0
Iron Fe	
(unfiltered)	8.6
Chloride Cl	22.0
Alkalinity (as CaCOs)	
Phenolphthalein	0.
Kethyl Orange	354.
Total Hardness(as CaCOa)	455
Total Kineral Content	633.

Temperature 60° F.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL: AB

4125.

Circle Packing Co., 319 Winstandy - E. St. Louis

Drilled by H. L. Watson (Claridge)

Feb. 1942

Formations passed through	Thickness	Depth of bottom
Mud	20	20
Fine sand	20	40
Small layer mud at		60
Fine sand	6	66
Fine gravel and sand	14	80
Coarse gravel	20	100
Fine sand with rock	10	110
Pink sand	10	120 TD

To bedrock

Static level from surf. 40'

Screen Cook

Slot 40

Diam. 10

Length 21'3"

STC 2N9W-7.5e

Elwation 410

WELL	INVENTORY	SCHEDULE
	<u>ب</u> بي	r >-/

WELL INVENTORY SCHEDULE	Well No. 37C 2N9W-25c3 Owner's No. 3
pear Fort STAINS	-
Section 7.523 Twp. No. 2N Range 7W Feet from Sec. Cor. 2520' 5, 1600' 5 1 + NW co-	+ + + + + + + + = 5
Owner Tindo Packing is Address C. 54 Linis.	- + + + + + + + + + + + + + + + + + + +
Driller Luly Pres. Address Columbia = 11.	
Date drilled 1962 Method reverse	
Depth //2 ' Hole record 37" 0-1/2'	87654321
Casing record /2" wood 0-70'	
Screen record 16" 75-110 weoder, gravel 34-Ke	d w/25 fon
Log Ser back Drill cuttings -	Sample set no
Chief aquifer Sourt grave from to Of	ther aquifer
Land surface elev. 405±/d TM Topography	
Nonpumping level below measuring point on	AM at PM
above Pumping level below measuring point after pu	mping at
gpm for hours on at (date)	AM PM
Measuring point (MP) for above measurements	
Airline and measuring equipment	
Pump and power	
Use of water	
Water quality	
Analysis No. and dateT	œp. <u>≤දී</u>
Data collected by 20. 20. 20. 20. Date 10-10-2	22
Source of information Tool	
Can well be used in pumping test?	
	Are nearby observation
Can well be used in pumping test? Are pumping records available	Are nearby observation
Can well be used in pumping test?	Are nearby observation

0-8' Yellow chi 8-16' Silty sand, yellow 16-45' Fer fine soud known 45-60 Yery Line soud growl ground 60-110' Corre sond + grove

1- R. J. Schicht (202)

W.H. Baken (2003) Collinsville

November 27, 1972

#### PARTIAL ANALYSIS

Sample of water collected October 10, 1972 from Well No. 3 owned by the Circle Packing Company near East St. Louis, Illinois in <u>St. Clair County</u>. Location of well: 2500'S, 1600'H of the NM corner of <u>Sec. 7.5e3-T2N-R9W</u>. Depth of well: 112 feet.

#### LABORATORY NO. 190251

	mg/1	152/l			mg/l	me/l
Iron(total) Fe Mangamese Ma	.24		Fluoride Nitrate Chloride Sulfate Alkalinity	F HO <sub>3</sub> C1 <sup>3</sup> SO <sub>4</sub> (as CaCO <sub>3</sub> )	0.3 17.9 24. 216.8 332.	.03 .68 4.51 6.64
Turbidity Color Odor	97 Ø Q		Hardness	(as CaCO <sub>3</sub> )	530.	10.60
Temp. (reported)	7		Total Dissolv	red Minerals	655.	

mg/l = milligrams per liter

mo/1 = milliequivalents per liter

mg/1 x .0583 = grains per gallon

ILLINOIS STATE WATER SURVEY

Laurel M. Henley Associate Chemist

## WELL INVENTORY SCHEDULE

WELL INVENTORY SCHEDULE	Well No. STC 2N 9W-7.5e4
East ST. Louis	Owner's No. 4
Location main yard County St.Clair	$ 9\bar{\omega}$
Section 7 Twp. No. 2N Range 9W Feet from Sec. Cor. 2500 S, 1700 E of NW Cor	
Owner Circle Packing Co. Address 4th & Winstanle E.St.Louis, II	эу — + + + + # 2N
Driller Luhr Bros., Inc. Address Columbia, Ill.	
Date drilled 7-19-66 Method reverse rotary	<u> </u>
Depth 115' Hole record 32" 0 - 115.5'	87654321
Casing record 16" steel 0 - 88.5	
Screen record 16" SS, nominal Johnson screen, #1	
Log See back Drill cuttings	Sample set no
Chief aquifer S&G from to Ot	ther aquifer
Land surface elev. 405' LSD TM Topography flat	
	1-66 at 9:15 AM date)
Pumping level 50.33' below measuring point after pu	mping at
400 gpm for 55min Montos on 7-21-66 at 10:	(/AM/)
Measuring point (MP) for above measurements pump base	<u> </u>
Airline and measuring equipment FM turbine 5 stage	8", set at 70'
Pump and power drop line, in-line meter	
Use of water	
Water quality	
Analysis No. and dateT	emp •
Data collected by Driller Date	· · · · · · · · · · · · · · · · · · ·
Source of information Driller	
Can well be used in pumping test?	Are nearby observation
wells available?Are pumping records available	?
Are water level records available?	
Remarks: Sample collected by driller 10-6-69 and	

October 27, 1969

STC 02N094-07.6€

PARTIAL CHEMICAL ANALYSIS

Sample of water collected October 6, 1969 from Well No. 4 owned by the Circle Packing Company in East St. Louis, Illinois in St. Clair County. Location of well: 2500'S and 1700'E of the NW corner of Section 7, T2N, R98. Depth of well: 115 feet.

#### LABORATORY NO. 179851

		ppm.	OPE.	·			ppm.	epm.
Iron(total) Manganese	Fe Mn	28. .73		Chloride Sulfate Alkalinity	(as	C1 SO <sub>4</sub> CaCO <sub>3</sub> )	62. 264.9 260.	1.75 5.51 5.20
Turbidity Color		120 5		Hardness	(as	CaCO3)	472.	9.44
Odor		0		Total Dissel	Lved	Minerals	725.	

ppm. - parts per million

epm. = equivalents per million

ppm. x .0583 = grains per gallon

#### ILLINOIS STATE WATER SURVEY

Laurel M. Henley Associate Chemist

LMH/bb

## WELL INVENTORY SCHEDULE East St. Kanis

Well	No.	STC	2N	9 <b>w-</b> 7	.5e3
)wne	o¹s	No.		3 _	

Location East fence CountySt. Clair   Section 7 Twp. No. 2N Range 9W   Feet from Sec. Cor. 2500'S, 1600'E of NW cor
Owner Circle Packing Co. Address 4th & Winstanley  E/St. Louis, III  Driller Luhr Bros., Inc Address Columbia, Ill.
Date drilled 4-2-62 Method reverse rotary
Depth 112: Hole record 37" 0 - 112: 87654321
Casing record 16" wood 0 - 70'
Screen record 16" 70 - 110', gravel packed w/ 25 ton
Log See back Drill cuttings Sample set no.
Chief aquifer S & G from to Other aquifer
Lend surface elev. 405 LSD TM Topography flat
Nonpumping level 36.5' below measuring point on 4-4-62 at 2:13 PM
Pumping level 42.27' below measuring point after pumping at
660 gpm for 32 min hours on 4-4-62 at 2:45 pm (date)
Measuring point (MP) for above measurements pump base
Airline and measuring equipment drop line, in-line meter
Pump and power Peerless turbine, 5 stage, 10" set at 70'
Use of water packing plant supply
Water quality
Analysis No. and dateTemp
Data collected by Driller Date
Source of information Driller
Can well be used in pumping test? Are nearby observation
wells available? Are pumping records available?
Are water level records available?
Are water level records available?  Remarks: Sample collected for portion analysis 10-6-69.  Delivered by driller to W. H. Boker.

+2100 RAW

## ILLINOIS STATE WATER SURVEY

## Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:
City East Stanto County St Claw
Name of owner East St. Druin Cartine Co
Exact identification of well Nam well
Exact location of well 350 N + 1000 FE Of SWGV
Sec 16 T2N R9W
Sample collected on (date) 3-31-43 at (time) \2 45
after 6 hours pumping at 120 gal. per min.
Tap used for sample*: at well, storage tank distribution system
Depth of well feet. Diameter 8 inches,
Cased to the feet. Screen from 86 feet to 116 feet
Where possible report also:
Log of well
Date drilled Feb. 43 Well driller Warin
Major repairs Nove
Type of pump American 4 stage
Hours or days in use per week 12 has 6 days
Non-pumping level Mark feet. Pumping level feet
expressed as: * Mean Sea level. Feet below top. Gage reading
Sea level elevation of top of well were develed
Temperature of waterSemple collected by . Wark Suffer.
For office use: Analysis No. 95769
#ainala the comment designation

March 14, 1974

### PARTIAL ANALYSIS

Sample of water collected September 12, 1973 from a well owned by East St. Louis Casting in East St. Louis in St. Clair County. Location of well: SE 1/4 of the SW 1/4 of Section 16, T. 21. R. 9W. Depth of well: unknown.

## LABORATORY NO. 193595

		mg/l	me/l			mg/l	me/l
Calcium	Ca	98.4	4.91	Nitrate	170 <sub>2</sub>	3.1	.05
Magnesium	Mg	31.7	2.61	Chloride	Cl	20	.56
Sodium	Na.	15.8	.69	Sulfate	SO <sub>k</sub>	125.1	2.60
Potassium	K	4.8	.12	Alkalinity	(නු වෘද්ග <sub>ය</sub> )	274	5.48
Lead	Pb	.05		-	<b>.</b>	-	-
Lithium	Li	.02					
Zine	Zn	.07					
Temp. (repor	rted)	60 <b>°₽.</b>		Hardness Total dissol	(as CaCO3) wed minerals	376 516	7.52

mg/l = milligramma per liter

me/l = milliequivalents per liter

mg/l = .0583 = grains per gallon

ILLINOIS STATE WATER SURVEY

Laurel M. Henley Associate Chemist

LMH: ks

April 18, 1944

THOST PARTIAL ANALYSID

5TC 2N9W-17.39

Sample of water in Fabruary, 1944 from well owned by the East At. Louis Fark District, Well Mc. 1 at Seth house. Depth of well: 110!. Location of well: NE. 1/4, Section 17, T. 2 N., R. 9 W.

## LABORATORY NO. 99357

## Determinations Made

	Pts.per
	<b>Eillion</b>
Turbidity	10
Color	÷.
Odor	oil
Tron Fe	
(unfiltered)	15.6
Objective Cl	7.0
Alkalinity (as Ga	(O <sub>3</sub> )
Phenolphthalein	9.
Methyl Grange	340.
Total Hardness (as Ca	60 <sub>3</sub> ) 353.
fotal Hineral Content	455.

Temperature 65° F.

HOISING YEVEN SURVEY BIVISION

T. E. Larson, Chemist

TIL: AB

Pass

## WELL INVENTORY SCHEDULE

WELL INVENTORY SCHEDULE	Well No. <u>ファンスターハン・/ファ</u> カ Owner's No. A
Section 17 7h Twp. No. 24 Range 92 Feet from Sec. Cor. 300 5 1000 5 5 7 1000 5 7 1000	9w
Section 17 7h Twp: No. 24 Range 75	
Owner Chas Phiso-dCo. Inc. Address 5 5 5 5	#- <b>[</b>
Driller Theras. Address	<u> </u>
Date drilled 1947 Method_	-+++++-b
Depth Hole record	87654321
Casing record originally 30 "x40" concrete	0-42'
Screen record originally 30 X 40 pareus con	
Log See park Drill cuttings	
Chief aquifer Jana 4 April 1 from to	Other aquifer
Land surface elev. 4/5=/c/7/4 Topography	· · · · · · · · · · · · · · · · · · ·
Nonpumping levelbelow measuring point on	at PM (date)
Pumping level below measuring point after	
gpm for hours on at (date)	PM
Measuring point (MP) for above measurements	
Airline and measuring equipment	
Pump and power	
Use of water	
Water quality	
Analysis No. and date	Temp. 57.0° =
Data collected by W. H. Pace Je. Date 10-15	-72-
Source of information Mr. Park & 5005 40	45
Can well be used in pumping test?	Are nearby observation
wells available? Are pumping records available	le?
Are water level records available?	
Remarks:	

November 27, 1972

#### PARTIAL ANALYSIS

Sample of water collected October 18, 1972 from Well No. 8 near <u>East St. Louis</u>, Illinois in <u>St. Clair County</u>, owned by the <u>Chas. Pfizer & Company</u>, <u>Inc.</u> Location of Well: 500'S, 1000'E of the NW corner of Sec. 17.7h-T2N-R9W. Depth of Well: 114 feet.

#### LABORATORY NO. 190257

	mg/1	me/1		·	mg/1	me/I
Iron(total) Fe	15.	•	Phosphate	POA		
Manganese Mn	.44		(filt)	4	0.1	
_			(unfilt)		2.3	
			Fluoride	F	0.3	
			Nitrate	NO <sub>T</sub>	0.0	.00
			Chloride	CI 3	13.	. 37
			Sulfate	SO <sub>A</sub>	178.5	3.71
			Alkalinity	(as CaČO <sub>3</sub> )	322,	6.44
Turbidity	192		Hardness	(as CaCO <sub>z</sub> )	486.	9.72
Color	0 .			<b>3</b> *		
Odor	8			• •		
Temp. (reported)	57.9°F.		Total Dissol	ved Minerals	637.	

mg/l = milligrams per liter

me/1 = milliequivalents per liter

mg/1 x .0583 = grains per gallon

## ILLINOIS STATE WATER SURVEY

Laurel M. Henley Associate Chemist

### INSTRUCTIONS TO DI ERS

White Copy — 111, Dept. of Public Health Yellow Copy — Well Contractor Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

# ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Curb materia b. Driven c. Drilled	Drive Pipe Finished i Gravel Pa	ried Slab: Yes_ Dlamin, Drift ckedx	. Depth_70_ftNoxftftftftft
	u., 010u	(KIND)	FROM (FL)	TO (Ft.)
		grayel	70	10
		concrete	10	0
_	Cess Pool <u>ok</u> Privy Septic Tank Leaching Pit	ok ok ok	Sewer (non Cast Sewer (Cast iron Barnyard Manure Pile	iron) <u>ok</u> ) <u>ok</u> ok ok
3.	Well furnishes	water for human	consumption? Y	es <u>X</u> No
4.		leted <u>No</u>		
5.				No X
6.	Capacity Well Top Sealer	_gpm. Depth of 17 Yes_X_No.	Setting	Ft.
7.	Pitless Adapter	:Installed? Ye	s No	
	How attached to	o casing?		per
8.	Well Disinfecte	d? Yes X	No	
9.	Pump and Equip	oment Disinfecte	d? Yes	No
11.	Location			<u>K</u>
	•			

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. P	roperty owner Farmers Energ	y Corp.	Well No.				
A	ddress Box #176, Nation	al City.	Ill.				
D	clarence Kohnen	License	No. 10	2-30	,		
11 P	Permit No. #96992	License Date	ot. 28	, 19	980		
12. W	oter from sand & gravel	13. Coun	ty_St.	Cla	ir		
	Fermetten t depth 32 to 70 ft.		6.60			1	
	creen: Diamin.		2 N	·	<del>                                      </del>		
	ength:ft. Slot	Roe	9 W	' <b> </b>	<del>                                     </del>		
_			<u>x</u>	<u> </u>			
15. C	asing and Liner Pipe	D.04					
Dism.	(in.) Kind and Weight	From (Ft.)	To (Fi.)		8H0 <b>W</b>		
36		0+1	70	BECT	CATION IN	SE/CSWME	Ne
1-19	COMOTO 10 PIPE			89 2	, 72 W,	re/c s w	
-				'			
<u></u>		L					
	ize Hole below casing:						
17. 5	tatic levelft. below casi	ng top whic	h is				
					_	•	
α	bove ground level. Pumping leve		when pu	mping	j at	•	
α			when pu	mping	j at	•	
α	bove ground level. Pumping leve	elft.	when pu		·		
g	bove ground level. Pumping level pm for bours.  FORMATIONS PASSED THROUG	elft.	ТНІСК		DEPTH OF BOTTOM		
g	bove ground level. Pumping level pm for bours.  FORMATIONS PASSED THROUG  top soil brown	elft.	тніск 2	n e ss	DEPTH OF BOTTOM		
g	bove ground level. Pumping level pm for bours.  FORMATIONS PASSED THROUG	elft.	ТНІСК	n e ss	DEPTH OF BOTTOM		
g	bove ground level. Pumping level pm for bours.  FORMATIONS PASSED THROUG  top soil brown	elft.	тніск 2	n e ss	DEPTH OF BOTTOM		
g	bove ground level. Pumping level pm for bours.  FORMATIONS PASSED THROUG  top soil brown  dark clay	el ft.	тніск 2 4	NESS	DEPTH OF BOTTOM		
g	bove ground level. Pumping level pm for bours.  FORMATIONS PASSED THROUG  top soil brown  dark clay  dark clay - sand	elft.	2 4 21	n e ss	2 6 30		
g	bove ground level. Pumping level pm for hours.  FORMATIONS PASSED THROUG  top soil brown dark clay dark clay - sand dark gray sand -	elft.	2 4 2l 5	NESS	2 6 30 35		
g	bove ground level. Pumping level pm for hours.  FORMATIONS PASSED THROUGH  top soil brown  dark clay  dark clay - sand  dark gray sand -  gray sand & gray  gray clay - sand	elft.  in fine vel d & grave	2 4 21 5 31 1 2	hess  -	2 6 30 35 66		
g	bove ground level. Pumping level pm for bours.  FORMATIONS PASSED THROUGH  top soil brown  dark clay  dark clay - sand  dark gray sand -  gray sand & gray	elft.  in fine vel d & grave	2 4 21 5 31 1 2	hess  -	2 6 30 35 66 68		
g	bove ground level. Pumping level pm for hours.  FORMATIONS PASSED THROUGH  top soil brown  dark clay  dark clay - sand  dark gray sand -  gray sand & gray  gray clay - sand	elft.  in fine vel d & grave	2 4 21 5 31 1 2	hess  -	2 6 30 35 66 68		
g	bove ground level. Pumping level pm for hours.  FORMATIONS PASSED THROUGH  top soil brown  dark clay  dark clay - sand  dark gray sand -  gray sand & gray  gray clay - sand	elft.  in fine vel d & grave	2 4 21 5 31 1 2	hess  -	2 6 30 35 66 68		
18.	bove ground level. Pumping level pm for hours.  FORMATIONS PASSED THROUGH  top soil brown  dark clay  dark clay - sand  dark gray sand -  gray sand & gray  gray clay - sand	elft.  il - fine vel i & grave i & grave	THICK   2   14   21   5   3   1   2   1   2	hess  -	2 6 30 35 66 68		
18. (CO)	bove ground level. Pumping level pm for hours.  FORMATIONS PASSED THROUGH  top soil brown dark clay dark clay - sand dark gray sand - gray sand & gray gray clay - sand redish gray sand	elft.	THICK 2 4 21 5 31 1 2 1 2	HESS	2 6 30 35 66 68 70		
18.	top soil brown dark clay dark clay sand dark gray sand gray clay - sand redish gray sand	of fine  of fine  vel  i & grave  i & grave	THICK 2 4 21 5 31 1 2 1 2	HESS	2 6 30 35 66 68		

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### INSTRUCTIONS TO DF ERS

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# ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Curb materia b. Driven c. Drilled	Bored Holord  Bu Bu Drive Pipe Finished i Gravel Page	ried Slab: Yes_ Diamin. n Drift	Depth ft. In Rock X
	d. Grout.	(KIND)	PROM (Ft.)	TO (Ft.)
	•	Cuttinas	0	92
_	D			
2.	Distance to Ne		Saanga Tila Fis	eld
	Building Cess Pool			iron)
	Privy			)
	Septic Tank		•	
	Leaching Pit_			
3	Well furnishes	water for human		es_X_No
4.	Date well comp	leted 12/8/	'87	
5.	Permanent Pun	p Installed? Ye	s Date	No
٠.	Manufacturer	Ty	peLocal	tion
	Capacity	_apm. Depth of	Setting	Ft.
6.	Well Top Seale	d? Yes_X_No	Type _Wi_l	<u>liams</u>
7.	Pitters Admits	r Installed? Ye	s No.	
	Manufacturer _		Model Numi	per
_	How attached t	o casing? d? YesX_		
8.	Well Disinfecte	od Yes X	ON	N/ <sub>~</sub>
		pment Disinfecte		
	Location			
	Water Sample S MARKS:	submitted? Yes	No	<u> </u>
. 1			G #30	1,591

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

_			_				
0. Propert	ly owner Ereedom Conc	rete	_ '	Well No	<u>-</u>	111	622
Addres	#2 Coventry Court	rairvi	ew	rie i gn	002	070	ALL
Driller	St. Charles Drilli No. 133432 /37881	III UVLice	nse.	NoJ <u>UA</u> 12 /7 /8	<u>-002</u>	919	ΑП
1. Permit	rom Grave	Date 13. Co		12///0 14 St.	Cla	ir	
				-	_		<del></del>
	th _0 to92_ft.			15.			4
	: Diam. <u>6</u> in. n: <u>8</u> ft. Slot	T	vp.	2N 9W_	·		×:
Pelidit	1					Ш	
5. Casing	g and Liner Pipe		EV.		· L		丄
Diam. (in.)	Kind and Weight	From (Ft	<u>.</u>	To (F1.)	1.0	NOTE:	
6 <sup>11</sup>	#19 Steel	0	I	92		TION	
			Т		SE	SE	NE
	<del></del>					dusi	
7. Static above	lole below casing: <u>6"</u> levelft. below ca ground level. Pumping le orhours.	sing top w					1
7. Static above gpm fo	levelft. below car ground level. Pumping le	sing top w		when pu		g at_	1
7. Static above gpm fo 8.	levelft. below ca ground level. Pumping le orhours.	sing top w		when pu	mpine	DEP.	1 50+
7. Static above gpm fo	levelft. below ca ground level. Pumping le orhours.	sing top w		THICK	mpin	ot_	1504 1504
7. Static above gpm fo	levelft. below conground level. Pumping level. Pumping level. Pumping level. Pormations passed through	sing top w		THICK	empine cness	ot_	1504 1504 8
7. Static above gpm fo  8. Clay Sand	levelft. below conground level. Pumping level. Pumping level. Pumping level. Pormations passed through	sing top w		THICK	impin (ness 8	DEP'BOT	1504 1504 8
7. Static above gpm fo  8. Clay Sand	levelft. below conground level. Pumping level. Pumping level. Pumping level. Pormations passed through	sing top w		THICK	impin (ness 8	DEP'BOT	1504 1504 8
7. Static above gpm fo  8. Clay Sand	levelft. below conground level. Pumping level. Pumping level. Pumping level. Pormations passed through	sing top w		THICK	impin (ness 8	DEP'BOT	1504 1504 8
7. Static above gpm fo  8. Clay Sand	levelft. below conground level. Pumping level. Pumping level. Pumping level. Pormations passed through	sing top w		THICK	impin (ness 8	DEP'BOT	1504 1504 8
7. Static above gpm fo  8. Clay Sand	levelft. below conground level. Pumping level. Pumping level. Pumping level. Pormations passed through	sing top w		THICK	impin (ness 8	DEP'BOT	1504 1504 8
7. Static above gpm fo  8. Clay Sand	levelft. below conground level. Pumping level. Pumping level. Pumping level. Pormations passed through	sing top w		THICK	impin (ness 8	DEP'BOT	1504 1504 8
7. Static above gpm fo  8. Clay Sand	levelft. below conground level. Pumping level. Pumping level. Pumping level. Pormations passed through	sing top w		THICK	impin (ness 8	DEP'BOT	1504 1504 8

'\ IDPH 4.065 | \ 1/74 - KNB-1

T Complete within 30 w	ORPE	Well Constr RESS FERML I completion a	HTIW Y	BLACK	INK PEN priale health dept.
1. Type of Well: a. I b. Bored Well: B Hole Diamete	turied Sla	ib[]Yes . tofl.	(X) No ;ir	ı. to	ft.;in. to
c. Drilled Well: P Hole Diameter	VC casing 10 in to	Formation p	oacker set 0.7/8h. to	at depth o 282 ft	:n. .;in. toN
Type of Grout bentani.te	# of Bags	Grout Weight	From (fL)	To (fl.)	Tremie Depth (fl.)
d. Drilled Well: So	eel Casin	g Mechani	cally Driv	en { } Y	es []No
Hole Diameter	_un. to	п;	ти. ro	п.,	IN. 10IL.
Type of Grout	# of Bags	Grout Weight	From (fL)	To (fL)	Tremie Depth (fL)
c. Well finished wit	• •				
2. Well Use: [ ] Do     [ ] Mo 3. Date Well Comple     Driller's estimate 4. Date Permanent P 5. Pump Capacity 6. Pitless Adapter Mo 7. Well Cap Type and 8. Pressure Tank: Wo 9. Pump System Disi 10. Name of Pump Co 11. Pump Installer: Licensed Pum  [ Licensed Pum  ] Do     [ ] Mo  [ Licensed Pum  [ Licensed Pum  [ Licensed Pum  ] Do     [ ] Mo  [ Licensed Pum  [ Licensed Pum  [ Licensed Pum  ] Do     [ ] Mo  [ Licensed Pum  [ Licensed Pum  ] Do     [ ] Mo  [ Licensed Pum  [ Licensed Pum  ] Do     [ ] Mo  [ ] Mo  [ Licensed Pum  ] Do     [ ] Mo  [ Licensed Pum  ] Do  [ Licen	mitoring sted: 9 ed well yie ump Instal 10 odel and h d Manufac orking Cyc nfected: () mpany: Dan np Contrac	[] Other 126,03  eld 60  lled 9/30/ gpm  Manufacturer: clurer: 6''; le 26.4  X] Yes [] N  Gould  ctor Signature	Well Disgram  /03 Set at (dep  Bake  mented Pagals, Cas  o	sinfected  oth) 2 er 100 F  aulus P  ptive Air:	[X] Yes [] No  264 ft.  2P  7C  [X] Yes [] No
Division of Environme	ntal Healt	h	7		
525 W. Jefferson Stree Springfield, IL 62761		/	0 #	3001	9—
, ,	15288	7'	DO!	iol wile or	these lines
INPORTANT NOTICE: necomplish the statutory property of the Statutory property of the statutory property of the statutory of t	urpose as ou	ullned under Pub	lic Ac  85-0	863. DISC	LOSURE OF THIS

13. Proper	m Ouner R	ogical & obert S Ro	mennik / 14	hllum	പവ	ιih w.	_ I\ _ II	. ,
14. Driller	Don Becket	<u>:t</u>	- · · · · · · · · · · · · · · · · · · ·	•		License	# 102 0039	10
15. Name	Don Becket of Drilling (	Co. <u>Kohn</u>	en Concre	te Prod	cts	Inc.		
16. Permit	No. 529	<u>03-83-2.6</u>	5003	E	ate	issued _	9/19/03	
I/ Date L	itilling Statio	20 9/2	wus					
18. We][ S]	TE address	2840 Bur	ikum Ka, I	washing	on I	Park, L		
19, 10Wns	hip Name _	anteen						<del></del>
20. Subair	rision Name_ ion: a, Count	. St Clot	<del></del>			Lot # _		٠,
h Tourshi	p2 N	y or cial	W Sec	ion 1 <sup>o</sup>	· 			•
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				1011	— п.	(msi)		
_	i, Liners", & S							<del>1111</del>
Diam. (in.)	T	Joint			T		For Surv	-L-L-L σy Ü⊯
<del></del>	PVC	solvent	solid	0+1	12		Cll about a b	A 100
4 1/2"	<del></del>	<u> </u>	11	110	270	$\frac{1}{2}$	6" shale t 41/2" sha	rape 120 Le trans
4 1/2"		<u> </u>	slotted	270	282	2	@ 270 <b>'</b>	
(*)	ist reason for line	<u> </u>	<del></del>					
(L	ist reason for line	rt, type of uppe	r and lower s	eals installe	:d)			
23. Water	froms	andstane v	hite at a	depth of	_2	70 <u>f</u> t.	to. <u>282</u>	n.
a. static v	ater level	<u>26                                    </u>	ow casing	which is	. 1	2_in. ab	ove ground	
b. pumpin	g level is	ft. pun	iping	gpm à	ıfter	pumping	for	nours
24. Earth I	vialerials Pass	ed Through				From (ft.)	To (fl.)	
clay b	OWN	· · · · · · · · · · · · · · · · · · ·				. 0	. 7	
sand b	own					7	29	
sand g	ay, small	gravel			$\overline{}$	29	29	
sandg	ay ay					42.		
sand g	ay, course					78 ,	84	
sand g	ay small g	ravel	· · · · · · · · · · · · · · · · · · ·			84		
sand b	own & gray		<del> </del>	:		98	113	Į
	large		<del></del>			113		
snale.	t gray lim	≃y .			4	118		Į.
	t gray, sa				<u>. l</u> .	121	128	) ·
con ti (If I)RY I // /)	to page 2 IOLE, fill out	log .) indica	ite how hol	e was sed	led)	a occasi	(1)	( loc)
25 Licenson	d Water Well	Contractor	ignuture		10		ense Number	JAI
The Property of	a maidi WCII.	CONTRACTOR Y	ngnature: C			1.108	21150 191111111111111	/

# Geological & Water Survey Well Record

Property O	wner: Rober	t S RomanikHollyw	ood Club	····
-	•			
Permit #:	529 03 03		_	•

Earth Materials Passed Through	Depth Top	Depth Bottom
shale gray sandy, sandrock streeks	128	1/0
sandrock white	140	142
shale lt gray, sandy hard	142	147
shale gray, soft to med	147	155
shale gray, sandy med	155	182
shale gray, limey med	182	184
limestone white	184	195
shale gray, limey, hard	<b>19</b> 5 .	203
shale lt gray, sandy hard	203	212
shale gray med	212	232
shale gray sandy	232	270
sandstone white	270	282
		·
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	1	
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	<u>-</u>	
	-	
	<u> </u>	L

# Jan Raw Zo 6

		Screen		WELL NO. WELL
	Materia! Drilled	and Riser	Test Pumping	540/2 -
	Cinder Fill	Sandra	<del>L-</del>	Name Parking
·. · · · · · · · · · · · · · · · · · ·	Services of the services	Deckfi	11	Location Sast St. Louis, Illinois (Parking
1	- Clay	- !	<del></del>	Date . 3-22-57
2	Fine Send		<del></del> ;	Well Depth 100.0
	5 Sant	<del>-</del> : :	<del>-</del> .	Casing Size 16"
Coex	is Brown Sand &		_ _	Length - Screen 40' - 1/4" slot, Steel 3/16"
Pine	Gust Sard	-i	<del>-</del> ' :	Length - Riser 61.5! - 10 steel, 1.5! above
Yory 4	merse Gray Send -	· · · · · · · · · · · · · · · · · · ·		rous Gravel 15 - 16 Tons
Fine j	Tus Coarde Sand_	-	· · · · · · · · · · · · · · · · · · ·	
	5— 58 Med. Fine Send		<del>-</del>	
Pane 6	Charse Sand	414 1 4		Static Water Level 50°
7	Goerer Sand 6	- 011 1 1		
7	S Cobbles		<del>-</del> ; ;	Equipment Used: Hours Run:
3	-Coarna Sand -	0111		International 1 Frank's Brill Rig
ė	Cobbles -	11111		** ···································
- 1	5_	08 1 4 4	<del>-</del>	en den en e
10	leavy lobbles	eg e a	_:	en e
10	<b>s_</b> : _	-		
	g	- ,	<b>-</b> :	
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13	<b>0</b>	<b>-</b> .	<del>-</del> ;	e e e <del>e e e e e e e e e e e e e e e e </del>
13	5—՝ _	<b>-</b> .	<b>-</b> .	· · · · · · · · · · · · · · · · · · ·
14	<b>o</b>	<del>-</del> .	<b>-</b> .	
:	<b>5</b>	- :	<u> </u>	Driller: M. Fresk
15	<del>0</del> ;	<del>-</del> :	<del>-</del> ,	· · · · · · · · · · · · · · · · · · ·

## ILLINOIS STATE WATER SURVEY



### Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:
City to State County States
Name of owner Juntal Pressure Co
Exact identification of well 720. 2
Exact location of well in Motor Sand yard
Sample collected on (date)at (time)
after hours pumping at 250 gal. per min.
Tap used for sample*: at well; storage tank, distribution system
Depth of well 110 feet. Diameter 12 inches,
Cased to Fig feet. Screen from //O feet to Si feet
Where possible report also:
Log of well
Date drilled 1938 Well driller Water Go
Major repairs and deman theere
Type of pump
Hours or days in use per week 24 his the
Non-pumping level #0 feet. Pumping level 4 feet
expressed as: * Mean Sea level. Feet below top. Gage reading.
Sea level elevation of top of well
Temperature of water Sample collected by
For office use: Analysis No. 91042
*circle the correct designation.

		•	(
City E.St.Louis	County	St.Clair	
Section 7 Twp. No	2 N.	Range SW.	
Location (in feet from section corner)(se	ee diagra	m on reverse side)	
Owner Hunter Packing Co.	Authority	Frank Keeser, Ch. Enginee	<u></u>
Contractor ?	Address_		
Date drilled ?	Elev. abov	ve sea level top of well	
Depth ? - probably similar to Arm	nour&Co.	wells.	_
Log none available			
	<b>-</b> .	<u> </u>	
Were drill cuttings saved no	Where file	ed	_
Size hole 24" . If reduced, where and	i how much		
Casing record steel	<del></del>	·	
Distance to water when not pumping?	D	istance to water is	
feet after pumping at Av. dail	<u>у дз</u> е. м <del>.</del> і	or1500 gal. hour	rs.
Reference point for above measurements	round le	vel	
Type of pump American turbine			_
Length of cylinder	Length of	suction pipe below cylinder 0	_
Length stroke	Speed	variable	
Hours used per day variable	Type of p	power <u>steam</u>	_
Rating of motor	Rating of	pump in G. P. M. unknown	
Can following be measured: (1) Static water	level must	dissemble casinghead	_
(2) Pumping level same as ∓I	(3) Disch	arge_no	
(4) Influence on other wells none			_
Temperature of water 56-58 F.	Was wate	r sample collected no	_
DateNo analyses on file, says coils, etc.mineral content for boiler	"costs"	Effect of water on meters, hot wat too much to remove	er
meat curing and brine."			
Date of Analysis Company #I well		•	
		R.N.Riess I-23-1934.	_
2807-19399 12	Date	1-20-1904. 	<del>-</del>
		121 = 3 > 43 =	 -

numning 15	aced pumping rate to 20 minutes. Sar	of 500 gpm. Pump would break suction after the cloudy when collected but probably wor
DOMPING TO	Tours Til	The croudy when collected but probably won
City_mash_Su	·	County St Clair have cleared if pumped at rate where pump wou
Section7	Twp. N	o 2 N Range 9 W not break
· <del>-</del>		
Location (in fee	t from section corner)	/4 of N.W. 1/4 of Sec. 7 T.2 N., R.9 W.
Owner <u>Hunter</u>	Packing Co.	Authority Charles Nishke
Contractor_Lu	nr Bros. Inc	Address Columbia, Illinois
<b>7</b> 0 1 2 22 2	March 6 1956	Flore the second lend to a few 11 ASET WOT (for
Date drilled	march 0, 1900	Elev. above sea level top of well 425 + MSI. (fi
Denth 105.	7 Ft.	Totog map)
0 to 5 f	7 Ft. t. Cinder fill.	42 - 60 ft.Sand, coarse to fine.
Log 5 - 21 f	t. Yellow Clay.	60 - 62 ft. Fine grav dand.
21 - 27 f	t. Silty sand.	74 - 76 ft. Clay Lens.
27 - 32 f	t. Fine brown sand	
-	. Medium sand.	93 - 105.7 ft. Heavy Cobbles.
Were drill cutti	ngs saved	Where filed
Size hole 32-1	inch If reduced, whe	ere and how much
<b>a</b>	6-inch casing, 40	ft of screen. (pipe with 1/4 inch slotts)
Casing record	The value of	Gravel-Packed.
Distance to met	on whom not numning 4	O.7 ft. Distance to water is 58.5 ft.
Distance to wat	er when not pumping	Distance to water is 38.3 [U.
fact often nom.	4 500 GPM	
THE RUPE DRIVE	ning at 000 cime	GPM for 15 minutes. hours
reet after pum	oing at oos cin	G. P. M. for 15 minutes. hours.
	_	
Reference point	for above measurement	s Hole in casing about ground level.
Reference point	for above measurement	s Hole in casing about ground level.
Reference point  Type of pump.  Reported, 70  Length of cylin	for above measurement merican Turbine ft of cloumn pip	Bole in casing about ground level.  Distance to cylinder  e, 42-inches of bowls and 20 ft of tail pi
Reference point  Type of pump Reported, 70  Length of cylin  but there i  Length stroke	for above measurement merican Turbine oft of cloumn pip der	By Hole in casing about ground level.  Distance to cylinder  e, 42-inches of bowls and 20 ft of tail pi  Why pump would break when drop light showe
Reference point  Type of pump Reported, 70  Length of cylin  but there i  Length stroke	for above measurement merican Turbine oft of cloumn pip der	By Hole in casing about ground level.  Distance to cylinder  e, 42-inches of bowls and 20 ft of tail pi  Why pump would break when drop light showe
Reference point  Type of pump Reported, 70  Length of cylin  but there i  Length stroke	for above measurement merican Turbine oft of cloumn pip der	By Hole in casing about ground level.  Distance to cylinder.  e, 42-inches of bowls and 20 ft of tail pingle below cylinder tail pingle below cylinder.  Why pump would break when drop light showe
Reference point Type of pump Reported, 70 Length of cylin but there i Length stroke 58.5 ft, Pr Hours used per	for above measurement merican Turbine of tof cloumn pip der s no explanation obably record of	Distance to cylinder  e, 42-inches of bowls and 20 ft of tail pi Why pump would break when drop light showe pump assembly is wrong.  Type of power
Reference point Type of pump Reported, 70 Length of cylin but there i Length stroke 58.5 ft, Pr Hours used per	for above measurement merican Turbine of tof cloumn pip der s no explanation obably record of	By Hole in casing about ground level.  Distance to cylinder.  e, 42-inches of bowls and 20 ft of tail pingle below cylinder tail pingle below cylinder.  Why pump would break when drop light showe
Reference point Type of pump Reported, 70 Length of cylin but there i Length stroke 58.5 ft. Pr Hours used per Rating of moto	for above measurement merican Turbine  oft of cloumn pip der  s no explanation obably record of day	Distance to cylinder  e, 42-inches of bowls and 20 ft of tail pi Why pump would break when drop light showe pump assembly is wrong.  Type of power
Reference point Type of pump Reported, 70 Length of cylin but there i Length stroke 58.5 ft. Pr Hours used per Rating of moto	for above measurement merican Turbine  oft of cloumn pip der  s no explanation  obably record of day  e measured: (1) Static	Distance to cylinder  e, 42-inches of bowls and 20 ft of tail pi Why pump would break when drop light showe pump assembly is wrong.  Rating of pump in G. P. M. 500
Reference point Type of pump Reported, 70 Length of cylin but there is Length stroke 58.5 ft. Pr Hours used per Rating of moto Can following b (2) Pumping le	for above measurement merican Turbine  oft of cloumn pip der  s no explanation  obably record of day  e measured: (1) Static  vel yes	Distance to cylinder  e, 42-inches of bowls and 20 ft of tail pi  why pump would break when drop light showe  pump assembly is wrong.  Rating of pump in G. P. M. 500  water level yes  (3) Discharge. No.
Reference point Type of pump Reported, 70 Length of cylin but there is Length stroke 58.5 ft. Pr Hours used per Rating of moto Can following b (2) Pumping le	for above measurement merican Turbine  oft of cloumn pip der  s no explanation  obably record of day  e measured: (1) Static  vel yes	Distance to cylinder  e, 42-inches of bowls and 20 ft of tail pi why pump would break when drop light showe pump assembly is wrong.  Rating of pump in G. P. M. 500  water level yes
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Reference point Type of pump Reported, 70 Length of cylin but there i Length stroke 58.5 ft, Pr Hours used per Rating of moto Can following b (2) Pumping le	for above measurement merican Turbine  oft of cloumn pip  s no explanation  obably record of  day  r  e measured: (1) Static  vel yes  other wells  water 58 F.	Distance to cylinder  e, 42-inches of bowls and 20 ft of tail pi why pump would break when drop light showe pump assembly is wrong.  Rating of pump in G. P. M. 500  water level yes  (3) Discharge No.
Reference point Type of pump Page 70 Reported, 70 Length of cylin but there is Length stroke 58.5 ft. Pr Hours used per Rating of moto Can following b (2) Pumping le (4) Influence of Temperature of Date March 1	for above measurement merican Turbine  oft of cloumn pip  s no explanation  obably record of day  r  e measured: (1) Static  vel yes  other wells  water 58 F.  0, 1958	Distance to cylinder  e, 42-inches of bowls and 20 ft of tail pi  why pump would break when drop light showe  pump assembly is wrong.  Rating of pump in G. P. M. 500  water level yes  (3) Discharge No.  Effect of water on meters, hot water
Reference point Type of pump Propertied, 70 Length of cylin but there is Length stroke 58.5 ft. Properties and per Rating of moto Can following b (2) Pumping le (4) Influence of Temperature of Date March 1 coils, etc.	for above measurement merican Turbine  oft of cloumn pip  s no explanation  obably record of day  r  e measured: (1) Static  vel yes  other wells  water 58 F.  0, 1958	Distance to cylinder  e, 42-inches of bowls and 20 ft of tail pi why pump would break when drop light showe pump assembly is wrong.  Rating of pump in G. P. M. 500  water level yes  (3) Discharge No.  Effect of water on meters, hot water
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Reference point Type of pump Propertied, 70 Length of cylin but there is Length stroke 58.5 ft. Properties and per Rating of moto Can following b (2) Pumping le (4) Influence of Temperature of Date March 1 coils, etc. Date of Talysi Crban Fellen Bros, Inc.	for above measurement merican Turbine  oft of cloumn pip der  s no explanation  obably record of day  r e measured: (1) Static vel yes  other wells  water 58 F.  0, 1958  s of analysis to Stein, General Sur Columbia, Ill. and	Distance to cylinder  e, 42-inches of bowls and 20 ft of tail pi  why pump would break when drop light showe  pump assembly is wrong.  Rating of pump in G. P. M. 500  water level Yes  (3) Discharge No.  Effect of water on meters, hot water

March 25, 1958

### PARTIAL CHEMICAL AMALYSIS

STC 2N9W-7.7e,

Sample of water collected March 10, 1958 from Well No. 6 owned by the Munter Packing Company of East St. Louis, Illinois in St. Clair County. Location of well: SE 1/4 of SW 1/4 of NW 1/4 of Section 7, T2N, R9W. Depth of well: 105.7 feet. Sample collected 15 minutes after pumping began while pumping at a rate of 500 gpm.

### LABORATORY NO. 115961

		• लिल्ल	epm.				- מממ	epm.
Iron(total) Manganese Celcium Magnesium	Fo Mn Ca Mg	5.8 0.4 190. 52.	9.50 4.30	Chloride Alkalinity	( 23	Cl CaCO <sub>s</sub> )	108. 326.	3.05 6.52
Turbidity Color Odor		23 10 0		Herdness	(as	CaCO <sub>3</sub> )	690.	13.30
Temp. (reporte	ed)	58°F.		Total Dissol	red F	linerals	1014.	

ppm = parts per million

epm = equivalents per million ppm x .0533 = grains per gallon

STATE MATER SURVEY DIVISION

Laurel M. Henley Associate Chemist

Lift:ceh

Hunter Packing Co.

Drilled by H. L. Watson (Moll)

Jan-Mar 1948

Formations passed through	Thickness	Depth of bottom
No log	30	
Fine sand	38	68
Med. sand	6	74
Mud	Z	76
Med. sand and gravel	4	80
Good sand and gravel	. 10	90
Fine sand	5	95
Good sand and gravel	201611	115'6"

Slot 30

close to bedrock

Diam. 12"

Length 261

Lucition 418 342

Lucation 2000 3 1200 5 Now 2000 4

Lucation 2000 4

Lucation 2000 4

Lucation 2000 4

Lucation 2000 4

### MINERAL ANALYSIS

Sample of water collected November 9, 1978, from well #1 owned by the Hunter
Packing Company near E. St. Louis, Illinois, in St. Clair County. Location of well:
Section 7.60, T2N, R9W. Reported depth: 105 feet. (New well #1 is chronologically well #10, and is located 20° east of old well #1). Water temp. 57/2°

### LABORATORY NO. 209536

		mg/l	me/1		,	mg/l	me/l
Iron(total)	Pe	16.		Phosphate(fi	lt) P	0.0	
Manganese	Mn	.82		(un	filt) P	0.7	
Calcium	Ca	176.0	8.78	Silica	SiO <sub>2</sub>	30.3	
Magnesium	Mg	48,9	4.02	Fluoride	P _	0.3	
Strontium	Sr	.56	.91	Boron	3	0.3	
Sodium	Ma	121	5.2 <del>6</del>	Hitrate	NO 3	0.1	00
Potassium	K	7.4	.19	Mitrite	NO <sub>2</sub>	.05	.00
Ammonium	MI.	0.8	_04	Chloride	Cl	195	5.50
Barium	Ba	<0.1		Sulfate	SO <sub>4</sub>	242.5	5.04
Cadmium	Cd	.00		Alkalinity	(as CaCOs)	374	7.48
Chronium	Cr	.00		•	-		
Copper	Cu	.01					
Lead	Pb	<.05					
Lithium	Li	.03					
Nickel	Ni	<.05					
Zinc	Zn	.07					
Silver	Ag	.00					
Turbidity		122		Hardness	(25 C8CUg)	640	12.80
Color		O		•	-		
Odor		Q					
Temp.(repor	ted)	57.5		Total Dissol	ved Hinerals	1066	

mg/l = milligrams per liter

me/1 = milliequivalents per liter

mg/l x .0583 = grains per gallon

ILLINOIS STATE WATER SURVEY

James C. Whitney Head, Analytical Laboratory

### Well Construction Report OR PRESS FIRMLY WITH BLACK INK PEN

accomplish the statutory purpose as outlined under Public Act 85-0863. DISCLOSURE OF THIS

INFORMATION IS MANDATORY. This form has been approved by the Forms Management Center

\$ 163-529-01-01

Date	1/20/UL

License Number

Complete within 30 c	of well o	completion ar	nd send to	the appro	priate	health dept			GEOLG	OGICAL &	WATER S	URVEY W	Ţ
Compress	•	•		• •	•			13. Prope	ny Owner	UK Sport	s Field/	Inie Oit	ŕ
									_Vern_Kohr				
1. Type of Well: a. 1	Driven Well	: Casing dia	m	_in. Dep	pth	ft.		15. Name	of, Drilling C	o. Koho	en Concre	te Produ	r
b. Bored Well: E	Juried Slab	( ) Yes	[ ] No					16. Permi	1 N 529-01	-01		D	
Hole Diamete							N.		Orilling Startes				
c. Drilled Well: P	'VC casing	Formation p	acker set a	at depth o	of	<del></del> ћ.			ITE address _			E. ST Ic	1
c. Drilled Well: P Hole Diameter		<u>90</u> ft	in. to_	ft	i	_in. to	It.		ship Name				_
		Grout Weight							vision Name				_
Type of Grout pure bentonite		20%	0	22		e Depair (II.)	7		ion: a. County				
pare tentance	<del>  14</del>		<del></del>		<del> </del>		-		ip 2 N			uon 17	_
	<u></u>		<u> </u>		<del></del>		ا		Quarter SE	-			_
d. Drilled Well: S	teel Casing-	Mechani	cally Drive	en ( ) Y	es [	] No			=				
Hole Diameter	_in. to	fL;	in. to	ft.;	in.	toft.		d. coordir	iaies:		Site Eleva	tion	_
Type of Groun	# of Bags	Grout Weight	From (fL)	To (fL)	Trem	ie Depth (fl.)	٦	22. Casing	s, Liners*, & So	reen Infort	nation		
	<del> </del>				<del> </del>		}	Diam. (in.)	Material	Joint	Slot Size	From (fL)	_
	<del></del>		<del></del>	\	٠		٦	8	PVC Sch 4	solven	t.	0+1	
e. Well finished wi	thin: { x} U	nconsolidates	d Material:	` s { }Be	edrock			8	PVC scree		#50	65	
f. Kind of Gravel S	•					o (A.)			1		1-2	1 - W	_
	Auto / ack			45		85	1	Ĺ	11		<u></u>	<u> </u>	_
_muskateen		#2					1	(*)					
							J	(1	ist reason for lines	, type of upp	er and lower	scals installe	ď
2. Well Use: [ ] Do	mestic (	X Irrigation	[ ] Cos	nmercial	[ ]	Livestock			. man	& han ea	~1 & 2020.	æl	
į j Mo	onitoring (	) Other	• •					23 Water	from gray	24	at a	depth of	-
3. Date Well Comple	act:(	15/01	Well Dis	sinfected	(X) Y	es [ ] No			water level				
Driller's estimat	ed well yield	₫ M-5Ω	)? _ gpm					b. pumpir	ig level is	ft. pur	nping.3U	<u>JU</u> gpm a	n
4. Date Permanent P	JUD Installe	≈ 6/19/(	<u>)1</u>			62 6		24 E	Materials Passe	d Theorek			
<ol> <li>Pump Capacity</li> <li>Pitless Adapter M</li> </ol>	odel and M	gpm :	sel al (dep	in)		<u> </u>	•	14. Earth	Marchara Lazze	a Thongs			-
7. Well Cap Type an	d Manufacti	muacuiei.	9!! . m11	acol.				clay dan	k gray stick	<b>y</b>			_
8. Pressure Tank: W	orking Cycle	: 1	gals. Ca	plive Air	1 1 Y	es I I No	•	clay gra	y&binown sa	ndy soft			
<ol><li>Pump System Dis</li></ol>	infected: [v]	Yes ( )N	o			- ( )		cilty of	ay It ben ve	ar condi			
10. Name of Pump Co	mpany:	Grundi	cos						wn F-M some				_
11. Pump Installer:				License	# 10	2-004090		send & o	ravel brown	F-M cond	w/force		-
12. Kohnen Concre	te Product	s. Inc.		License	e# <u>10</u>	2 000304			sand brown				-
Licensed Pur	np Contract	or Signature			· ·				ravel gray C				_
					/_								_
Illinois Department of				29836	[ ]				ray BB-F w/s		sand&cob	ble stan	e
Division of Environme 525 W. Jefferson Street		$-\frac{1}{\cos}$	INTY No.	A 10 JA				<del></del>	wn M-F clean				_
Springfield, IL 62761	-1							Still in	WB sand & g	ravel			_
Q 3319	7 00		DO !	ial write or	n these i	mes		ACIONA	HOLE CH - :	" مالمئار مصا	- ا بنيط ميس	la 1	٠
								אלנו וו) <i>א</i> (ג'י	HOLE, fill out	log 3 indig	ate now ho	IC Was scal	С
IMPORTANT NOTICE:	inis State Ag	euch re Lednesti	ing disclosur	e of inform	nation-th	at is necessary	V 10		avence	11000	ulu)	G.S	_

ELL RECORD door Servicus \_\_\_ License # <u>092-006758</u> cts, Inc. ale (ssued 6-11-01 Land ID # 02-17-109-18 ft. (msl) To (fL) For Survey Use <u>13</u> ft. to <u>90</u> ft. 12 in, above ground ter pumping for \_\_\_\_hours From (ft.) To (ft.) 17 30 90 102 000304

25 Licensed Water Well Contractor Signature

### May 13, 1354

### PARTIAL CHEMICAL ANALYSIS

Sample of water collected from a well at Jones Park, Illinois in St. Clair County. Location of well: SE 1/4, Section 16, T. 2 N, R. 9 W. Depth — 1

### LA BORATORY NO. 134706

	DOB.	<u>epm</u> .	DDE.	eom.
Iron(total) Fe Manganese Mn	6.3 0.0	Chloride Cl Alkalinity(as CaCO <sub>3</sub> )	7. 308.	.20 6.16
Turbidity Color	23.	Sardness(ss CaCO <sub>3</sub> )	360.	7.20
Odor	ŏ	Potal Mineral Conten	t 387.	

ppm. - parts per million epm. = equivalents per million ppm. x .0583 = grains per gallon

STATE WATER SURVEY DIVISION

R. H. King Assistant Chemist

RMX: Ls

CityOn U.S. Poute 40	_County St Clair County
Location (in feet from section corner) Cahoki and 500 ft. S. of the N.W. Corner	Range F.9 W. U.S.Route 40 and 500 feet W. of a Mounds State Park. Approx. 2000 ft F. of Sec. 2, T.2 N., R.9 W. Authority Mr. M.I.Fridley, Maintenance Engr.
Contractor Harold Watson.	Address E. St. Louis, Illinois
	Elev. above sea level top of well $\frac{480 \pm (from topog}{Map})$
Depth. 영원 (요면	
Log No log as this is a 3" driven	well.
Were drill cuttings saved	_Where filed
Size hole 35 If reduced, where and	how much No.
Casing record 3" pipe with 6' of No.6	O gauze well point.
Distance to water when not pumping Not kno	Wn. Distance to water is Not known
feet after pumping at	G. P. M. for hours.
Reference point for above measurements No	way to measure water level.
Type of pump Myers Ejecto	Distance to cylinder Jet set at approx 30
Length of cylinder	Length of suction pipe below cylinder
	Speed
Hours used per day	in evening during show hours. Used to Type of power supply water for the
Rating of motor	refreshment stand and for toilets. Rating of pump in G. P. M.
Can following be measured: (1) Static water I	evel
(2) Pumping level No.	_(3) Discharge
(4) Influence on other wells No other well	
Temperature of water 61 F. at hydrant	_Was water sample collected_ <u>ves</u>
Date Sept. 27, 1949	Effect of water on meters, hot water
coils, etc. See letter to Pr. Larson.	
Date of Analysis There was no tab at the bumb for c	Analysis No. 11344
•	

Combile to a Cohabica Macad St. Ph.

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906. 377265

MOTOR NATIONAL				
TOWN TOWNSHIP		Map	No. 4	
COMPANY No.		R. 4	920	
FARM Montes Mound No.	ן ד ר'	1 1	Sec	<b>.</b>
AUTHORITY Sample Thindy by Udden	271	_	^	<b>-</b>
ELEVATION 4167 FO				
COLLECTOR DATE DRILLED				:
CONFIDENTIAL	-			
NO. n. g. of E. standouis	<u>!</u>			
No. M. E. of E. STRATTORES	Thickn		Dept	<u>h</u>
	Feet	In.	Feet	In.
Guatemary				1
I Im Gray sand	20	1	60	
Coared river Sand	10		50	· ·
Gravel, one sino shell	80			-1-
word			150	16/
Genso.		+6	pedrock	::: ./
Com Shale South				
Cray Shale, Sountly	55	· · · · · · · · · · · · · · · · · · ·	205	
Cacareous.		1		:
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Total depth	Í	Í	2100	· t
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County St-Clair	Index No.	1341	15	
T.—DRILL RECORD		U 10		
(67727—5M—11-31) Illinois Geological Survey,	Urbana.		_ع_	

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### August 7, 1944

SHORT PARTIAL ANALYSIS

STC 2N9W-18.7c

Sample of water collected June 1, 1944 from well owned by the Roxy Theatre, East St. Louis, Illinois. Bepth of well: 91'. Location of well: center SW 1/4, Section 18, T. 2 N., R. 9 W.

### LABORATORY NO. 100,686

### Determinations Hade

	Pts.per Million
Turbidity	100
Color	0
Odor	Tr.
Iron Fe	
(unfiltered)	11.8
Chloride Cl	18.0
Alkalinity (as CaCO <sub>2</sub> )	
Phenolphthalein	0.
Methyl Orange	298.
Total Hardness (as CaCCa)	457.
Total Mineral Content	553.

Temperature 60° F.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL: AB

,一个时间,这个时间,他们也是一个时间,他们也是一个时间,他们也是一个时间,他们也是一个时间,他们也是一个时间,他们也是一个时间,他们也是一个时间,他们也是一个 第一个时间,他们也是一个时间,他们也是一个时间,他们也是一个时间,他们也是一个时间,他们也是一个时间,他们也是一个时间,他们也是一个时间,他们也是一个时间,他们

City	country St Clair
Section 16.8e Twp. No.	
Location (in feet from section corner)	Authority 37th & Bunkum Rd East St Lou
Contractor H. C. Watson (Evan-	Neil)
the second second	Elev. above sea level top of well 4/5
Depth 38/2	
11 1	Ones)
Water 30 - 58/2	
Were drill cuttings saved	Where filed
Size hole If reduced, where and	l how much
Casing record	
Distance to water when not pumping 13	9 Distance to water is
feet after pumping at 1200	G. P. M. forhours.
Reference point for above measurements	
Type of pump	Distance to cylinder
Length of cylinder	Length of suction pipe below cylinder
Length stroke	Speed
Hours used per day	Type of power
Rating of motor	Rating of pump in G. P. M
•	level
(2) Pumping level	(3) Discharge
(4) Influence on other wells	
	Was water sample collected
	Effect of water on meters, hot water
coils, etc	
Date of Analysis	Analysis No
David VI 11441Juliu	Recorder J. P. Now
907-22917 12	Date 9-29-5-8
807-22617 12	Nava Table

C. K. Friller - Fant Co.

7 2 10 N

no (OA)

### ILLINOIS STATE WATER SURVEY

### Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

ta needed for each sample:
City EAST St. Louis county St. CLAIR
Name of owner GEO. S. MEPHAM CORP.
Exact identification of well_#2
Exact location of well 400'-N. of Lynch Are - 100'-west of
Terminal RR at 21 st x Lynd Sol
Sample collected on (date) 4-10-43 at (time) 2 pm.
after / hours pumping at /oro gal. per min.
Tap used for sample*: at well, storage tank, <u>distribution</u> <pre>system</pre>
Depth of well 100 feet. Diameter 28" inches,
Cased to 100 feet. Screen from feet to feet both
ere possible report also:
Log of well Lee attached Sketch W T
Date drilled 1928 Well driller Thomas Co of Alten Il.
Major repairs Nine
Type of pump Layne Bowler 2 Stage Centrifuged
Hours or days in use per week Approx 150 His fuck
Non-pumping level 25 feet. Pumping level 353 feet
expressed as: Mean Sea level. Feet below top. Gage reading.
Sea level elevation of top of well Alan Workson The figure
Temperature of water 62° Sample collected by Hendrichs
r office use: Analysis No. 96506
*circle the correct designation.
Enne out by stringy drove in dit of

SHORT PARTIAL ANALYSIS STC 2N 9W-7.79
Weter colle-

Sample of water collected April 10, 1943 from well owned by the Geo. S. Mephem Corp. East St. Louis. Location of well: 400' N. of Lynch Ave., 100' M. of Terminal R. R. at 21st & Lynch Ave. Bepth of well: 100'. Rate of pumping: 1000 gpm. after 1 hour. 2001 Lynch Ave. NY 1/4 Sec. 17, T. 2 S., R. 9 W.

### LABORATORY NO. 96506

### Determinations Made

	Parts Per Million
Turbidity	100
Color	Ö
Oder	. 0
Iron Fe	
(unfiltered)	14.4
Chloride Cl	15.0
Alkalinity (as CaGoa)	
Phenelphthalein	0.0
Hethyl Orange	322.0
Total Hardness (as CaCOa)	448.8/
Total Mineral Content	504.
Temperature 62° F.	

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TELLIAB

John C. Moo	ore Corporation, Rochester, N. Y. Binder	and boles in leaves, each	b Patented I	906. 386790	, ,
·	00062	pp CF h		· .	
TOWN St.L	. •	_	3	nap No. 4	F
COMPANY T	horpe Concrete W		F	2 9W	
	Mephan Paint Co		1 1		Sec.
	Written log	2	11	.	&பி ⊨
	419 topo.	M.	1 1	<del>-i-i-</del>	į.
COLLECTOR 1	reland DATE DRILLED	June 19			
	oth St. E.St.Lou	is	<u> </u>		i
	STRATA	Thick	1e88	Dep	th
No.	SIRAIA	Feet	In.	Feet	In.
1					!
	and clay	22	i	22	}
	very fine	13		35 43	
Sand,	very fine	10	1	43 53	
Sand,	fine fine, loamy	7	ł	60	
Sanu,	fine	5	1	65	
Sand	fine, ritty			73	
	coarse	8	- }	84	
	med. coarse	9		93	
Sand.	building	5	1	98	
Grave		13		111	f:
	l, coarse	6	4	117	4
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	26" I.D. 36" 0.D		.	130	11.7
-	20 T-D* 20 A-D	<b>'•</b> }	1	į	Ì
Rait	s drilled 2 well	s 9-20 I	20*		
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21	C 2N 90-110 1	1)	rock		
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( Dow :	called C K. Miller	1 ( . 60 Juny	ĺ		!
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County SI	C. CLAIR	Index No. Q	409		
T.—DRILL RE	CORD			(	
47327—10M—4-3	5 Illinois Geological S	nrvey, Urbana.			. (

FEM

### Mephan Paint (C. K. Williams)

Drilled by Thorpe (Morgan)

Aug. 1947

Formations passed through	Thickness	Depth of botton
Fill	3	3
Clay	4	7
Sandy soil	18	25
Silt	3	28
Ext. fine sand	14	42
Fine sand	16	58
Med. sand	9	67
Building sand	7	74
Med. fine sand	4	78
Coarse sand and boulder	5	83
Very coarse sand	14	97
Coarse sand	7	104
Very coarse sand	81611	112'6"

Static level from surf. 24'

Bedrock 7 120

25

Edwardson 420 STC 2NAW 17.793

C. K. Williams Co., E. St. Louis North side of new boiler house Test Hole No. 1

Drilled by Layne-Western (F. Sallu)

Apr. 1952

Formations passed through	Thickness	Depth of bottom
Cinder, rock and dirt fill	3	3
Blue and brown clay	11	14
Fine silty sand	29	43
Fine to med. sand, dirty	17	60
Fine gray sand	10	70
Fine silty sand with much rotten woo	d 3	73
Med. coarse sand, dirty	17	90
Med. to coarse sand, clean	10	100
Coarse sand, gravel, and boulders w	rith clay 16	116
		_

on rock at 116'

at Bedrock ?

25

STC 2N9W 17.79 1

Euro 420

Chick hoe.

352

C. K. Williams Co., E. St. Louis	Test Well No. 2
Drilled by Lane-Western (F. Sallu)	Apr. 1952

Formations passed through	Thickness	Depth of bottom
Fill	3	3
Blue clay (sticky)	4	7
Brown clay	7	14
Dirty brown sand	21	35
Med. to fine gray sand	35	70
" "coarse " "	5	<b>7</b> 5
Coarse, clean sand and some gravel	20	95
Med. sand	5	100
Coarse sand, gravel and boulders	17	117

Fedrack > 120

STC ZNQW 17.79 Z Elevation 420

ک ع

The C. K. Williams & Con was formarly the Mapham. Co. Wall 1402. City E. Pt. Losso Zil County C. Clar \_\_\_\_Twp. No.\_\_\_\_Range\_\_\_ Section\_ Location (in feet from section corner)\_\_\_\_\_ Mr. N.C Lodge - Ersr. Benk Owner C. H. Williams & C. Authority Mrs. A. T. Pick 30 Chamist 2001 Lynan Ara. Contractor Thorne Concr. Wall & Address Filon 311 Date drilled \_\_\_\_\_ Elev. above sea level top of well 4/5 = Depth //4/ Log No tos available Were drill cuttings saved\_\_\_\_\_\_Where filed\_\_\_\_\_ Size hole \_\_\_\_\_\_ If reduced, where and how much\_\_\_\_\_\_ Casing record 30" Id & 4000 Tonorate Cases of which TE' W Asmi Distance to water when not pumping \_\_\_\_\_ Distance to water is \_\_\_\_\_ feet after pumping at \_\_\_\_\_\_G. P. M. for\_\_\_\_\_ Reference point for above measurements\_\_\_\_\_ Type of pump Layra Bourlas Distance to cylinder 59' Length of cylinder 4" (3-1-2) Length of suction pipe below cylinder 12 ff Speed 1/5-5 PPm. Length stroke\_\_\_ Hours used per day 5-6 Type of power Ganaral Flan makes Rating of motor Let HP Rating of pump in G. P. M. Can following be measured: (1) Static water level 1/4-2 \_\_\_\_\_ (2) Pumping level (3) Discharge (4) (4) Influence on other wells Temperature of water \_\_\_\_\_\_ Was water sample collected \_\_\_\_\_\_

Date 19:27:37 Effect of water on meters, hot water

Date of Analysis No. 11566

Recorder\_\_\_\_\_

2807-22617 12

F124

City E. St. Laurs IMINOL	County St. Clair County
SectionTwp. No	Range
Owner C. K. Williams Co.  2001 Lynch Av.  Contractor Thorp Concr Wall Co	Mr.L.C. Lodge - Engr. Dept  Authority Inr. A. T. Pickens chanist
Date drilled	Elev. above sea level top of well 415 T
Were drill cuttings saved ?  Size hole If reduced, where an Casing record 30" Id. X 40" OF Cancra	d how much Casing 1 72 ft of porous Concr. pine and
Distance to water when not pumping Object	20' Distance to water is 36'
,	G. P. M. forhours.
Length of cylinder 4'4" (35/2565)  Length stroke	Distance to cylinder 49 (1:75 Cal pipe)  Length of suction pipe below cylinder 30 a f 5"  Speed 1/70 PPM - F. L.
· •	Type of power Westing house else with-
Can following be measured: (1) Static water	r level Yes
(2) Pumping level	(3) Discharge \( \mathcal{L} C \)
• •	Was water sample collected
	Analysis No. 115658  Recorder
3807-22617 12 <b>333</b>	Date

-5-10 8 5

This well supplies may at the water for the plant. sexues is com elgines work small placed but went know to for the less the read but gard; Into git to better is is alone? coded ear of this known Hems a need that from event specific bateolic cen elgans est north establish fried for som whell The sulphur territe tenks were empty and the edmud sat ne sord missue satistan sessolat 20 se verting unque cand also using liquid, Eulphin Dioxido. The Chorne and The water is transal -using a Wallace Traman chlorinate. -8261 CHM9 whom it was anothered. It was pulled for the first time. The is one of the older walls. Could not find necerd on to " 2 411 to Atgob p Le 21 guld storas I to mothed Cours sand mitter And Sandala With Bouldars - 13 511 9 201 -नाम्ह द्याच्या न्टब्स 001 4 33 --Fine Rod Sand 05 4 38 -Emilding Sund 03 4 KL Good Coane Sand FL 4 02 ----- boow to day allw Enes ratow onit 26 at 14 -- End atle Sand birth this 14 of 08 -FINDSONIA 08 of 5t ---14 of 0 Thickness

10/1/10 led pol

### INSTRUCTIONS TO L \_ERS

White Copy — III, Dept. of Public Health Yellow Copy — Well Contractor Blue Copy — Well Owner FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

# ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well			
				. Depthft.
	Çurb materia	ıl Bu	ried Slab: Yes_	No
	b. Driven	Drive Pipe	Dicomin.	Depthft.
	c. Drilled X	Finished i	n Drift	In Rock
		Gravel Pa	cked X	
	d. Grout:	(KIND)	FROM (FL.)	TO (F1.)
		Cement	0	20
		Cuttings	20	87
	- 1	Gravel	87	95
2.	Distance to Ne	urest:		
	Building 18		Seepage Tile Fig	eld
	Cess Pool			iron)
	Privy		Sewer (Cast iron	)
	Septic Tank			
	Leaching Pit_	·	Manure Pile	· · · · · · · · · · · · · · · · · · ·
3.	Well furnishes	water for human	consumption? Y	es X No
4.	Date well comp	leted <u>  10-7-</u>	80	
5.	Permonent Pum	p Installed? Ye	s <u>X</u> Date <u>10-</u>	20-80 No
	Manufacturer	Jacuzzi Ty	pe <u>Sub.</u> Loca	tion <u>Well</u>
	Capacity 20	_gpm. Depth of	Setting60	Ft.
6.	Well Top Sealer	d? Yes <u>X</u> No	ТуреМа	thews
7.	Pitless Adapter	r Installed? Ye	s_X No	per MBP
	Manufacturer	Merrili	Model Numl	per <u>MBP</u>
	How attached to	o casing?	bolted	
8.	Well Disinfecte	d/ Yes^_	No	
9.	Pump and Equip	pment Disinfecte	d? Yes X	. No
10.	Pressure Tank	Size <u>220</u> gal.	Type Captly	a Alre
	Location	basemen	<u>†</u>	<del>,</del>
11.	Water Sample S	ubmitted? Yes	No	X
	MARKS:			
		•		

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

		y owner		Well No	٠. ــــــ	·		
	Addres	s _delication					-	
j	Driller	St. Charles Drilling	License	No. Ω	92 <b>-</b> 0	06535/C	P. Chl	twood
11.	Permit	No. 96493	Date			·		
		rom Sand Formation	13. Соци	ty <u>M</u>	adls	on		
	nt dept	b 20 to 95 ft.	Sec.					
14.	Screen	th 20 to 95 ft. : Diam. 6 5/8 in.	Twp.		.	1-1-1-1		
1	Length	: <u>8  tt. Slot X</u>	Rge.		_			
		• •	Elev		. ├─			
15.	Casing	and Liner Pipe			_	<u></u>		
Diam	. (in.)	Kind and Weight	From (Ft.)	To (Ft.)	Lo	SHOW CATION IN		
6 5	/8	Steel 19#	0 .	.87	350	TION PLAT		
					] 200	3 /23 W	NE SE	
16	Siza H	ole below casing: 6	in in		•			
17.	Static	levelit. below casi	 na top whic	h is	1	{t.		
		ground level. Pumping lev						
		r hours.		, , ,	•	,		
18.	F	ORMATIONS PASSED THROUG	ЭН	тнісі	CNESS	DEPTH OF BOTTOM		
						BUTTOM		
		Clay		20		20		
	<u> </u>	Ine Sand ,		50		70		
	(	Course Sand		25		95		
0		. <del></del>	<del></del>	1	<del>-,</del>			
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	<del></del>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				-		
		<del></del>			<del></del>	<del> </del>		•
						<u> </u>		
(CO	טאדדא	E ON SEPARATE SHEET IF	NECESSARY	)				J
		1001/f						~ <b>*</b>

White Copy —
III. Dept. of Public Health
Yellow Copy — Well Contractor
Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

# ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

	c. Drilled L	Finished	e Diamln in Drift  cked	In Rock	
		Cuttings	0	55_	
	Cess Pool Privy Septic Tank Leaching Pit	75/	Seepage Tile Fi Sewer (non Cast Sewer (Cast iron Barnyard Manure Pile	iron)	'
3.	Is water from the	No ////////////////////////////////////	ed for human con  (es	nsumption?	<i>(</i>
4.	Date well comp	leted <u>LIBER</u>	(Mily)	N	<del>7_</del>
5.	Permanent Pum	pinstalled?	res Type	140 4	
	Capacity	дрт. Дер	th of setting		ft.
6.	Well Top Seale	d? Yes	No	<del>-</del>	
7.	Pitless Adaptor	r Installed? ``	esN	lo	
8.	Well Disinfecte	d? Yes	✓ No		•
9.	Water Sample S	ubmitted? Ye	s i	No	
REM	MARKS:				
IDI	· РН 4.065 О	J.57)			

### GEOLOGICAL AND WATER SURVEYS WELL RECORD

10.	Property ownerW	ell Nor	
	Address		
	Driller L. Charles Drilling License	_	
	Permit No. 30821 Date	<u>- 11-2</u>	4
12.	Water from 13. County	ma	uson.
	at depth 89 to 92 it. Sec.		
14.	Screen: DiaminTwp		
	Length: 8 ft. Slotted Carry Rge:		1-1-1
	U Elev.		<del>                                     </del>
15.	Casing and Liner Pipe		البلبليا
Die	m. (in.) Kind and Weight From (Ft.) To	LO:	SHOW Cation in
1.4	5" PC . Seh 40 0 9	72 SEC	TION PLAT
		143.7	7.5
-		1000	2,e
16	Size Hole below casing: in.	Kill	10 NW
17.	Static levelft. below casing top which	is /	fi .
	above ground level. Pumping levelft. w	hen pumping	at 50 7
			,
	gpm for hours.		•
18.	FORMATIONS PASSED THROUGH	THICKNESS	DEPTHOF
18.		THICKNESS	DEPTH OF BOTTOM
18.		THICKNESS	DEPTH OF BOTTOM
18.		THICKNESS  30	
18.		THICKNESS  AO  10  25	
18.		### THICKNESS ###################################	
18.		### THICKNESS ### 10 ### 10 ### 37	
18.		THICKNESS  10 10 25 37	
18.		## THICKNESS ## 10   10   25   37	
18.		THICKNESS  JO  JO  35  37	
18.		THICKNESS  JO  JO  35  37	
		THICKNESS  JO  JS  37	
	FORMATIONS PASSED THROUGH  Clay  Grane	THICKNESS  AO  AS  37	

(68210—20M—4-52)		+ · · · · · · · · · · · · · · · · · · ·	•
			(68210—20M—4-53)
	•		Name of the Control o
Page 1 ILLINOIS GEOLOGICAL SURVEY, URBANA	Page 1	ILLINOIS GEOLOGICAL SURV	YEY, URBANA

Strata		Thickness	Тер	Bettom
deil, jäver deposi	t	19	0	19
Yellow sond, clay	showing	€ 5	19	25
Fine grys nd	_	_ 5	25	30
Course aray s nd,		10	30	40
Fine sand to grave	el, dirty	5 5	40 45	
Same, cleaner	مناهما المسالم	10		
fine to delium sar	ioè man anomine	10	60	
game corted some frommat	Buday	5	70	75
Same, cleaner		5	75	75 8
Sand fine to coars	e. mud showing		75 80	90
Medium to coarse s	and some gr ve	1		
clean		10		
Sand gravel and bo		6	100	306
Limestone, sandsto	one and sandy	ķ	106	111
Mud	Depth	Mu	loss	
Viscosity	P		inche	in
(in seconds)		ì, t	x 4!	it)
33	20 <b>–</b> 301		234	
<b>33</b> 33	30-40		3 <sup>n</sup>	
35	40-50		3"	
35	50-60		3 10	
35	60-79		1"	
37	70-80	Ì	3"	
35 35 37 37 37	80-90		3253 321 132 132 133 133 134 135 135 135 135 135 135 135 135 135 135	
37	90-100		5	
• _	100-106		3	
SS#24161			j	

COMPANY FARM DATE DRILLED AUTHORITY ELEVATION LOCATION COUNTY	Chas. M. Hayes Buehrer, John C. No. IGS  1954 county No. T.H. #  1954 county No. T.H. #  1954 county No. T.H. #  250'5 line, 125'W line of NE  28-17-75

arily

### MINERAL ANALYSIS

Sample of water collected Movember 7, 1978, from a weil owned by Location of well:

Section Contract Page 62.

### LABORATORY NO. 209538

		mg/l	me/l			ng/l	<b>2e/1</b>
Iron(total)	Fe	0.3	ŕ	Phosphate(filt)	P	0.0	
Manganese	in.	.32		(unfilt	:) P	0.0	
Calcium	Ca	154.8	5.23	Silica	SiO <sub>2</sub>	25.1	
Magnesium	Mg	35.3	2.90	Fluoride	F	0.8	
Strontium	Sr	.22	.01	Boron	3	0.4	
Sodium	Net.	26.5	1.15	Nitrate	₩0 <sub>3</sub>	3.6	.14
Potassium	K	·. II.5	.29	Mitrite	NO2	.01	.00
Ammonium	ML	0.8	.04	Chloride	CI.	94	2.65
Barium	Ba	<0.1		Sulfate	SO <sub>k</sub>	123.0	2,56
Cadmina	Cai	.00		Alkalinity (s	s CaCOs)	218	4.36
Chromium	£r	.00					
Copper	Cu	.02					
Lead	Pb	<.05					
Lithium	Li	.02					
Mickel	Мí	<.05					
Zinc	Zn	.03					
Silver	Ag	.00					
Turbidity		3		liardness (a	s CaCO <sub>3</sub> )	407	8.13
Color		<b>5</b>		_			
Odor		0					
Temp. (repor	ted)	62°		Total Dissolved	Minerals	585	

mg/l = milligrams per liter

me/l = millicquivalents per liter

mg/1 r .0583 = grains per gallon

ILLINOIS STATE WATER SURVEY

James C. Whitney Head, Analytical Laboratory 217/333-0802 EX6 4 REDACTIONS

### INSTRUCTIONS TO "LLERS

White Cony -III Dec I, of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

# ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well		~ ~	2 0
	a. Dug	Bored Ho	le Diam. <u>_ 5 v'</u> ir	n. Depth 2.5 ft.
	Curb materi	al Bı	iried Slab: Yes_	No
	b. Driven	Drive Pipe	e DiamIn	. Depthft.
	c. Drilled	Finished	in Drift	In Rock
	Tubular	Gravel Pa	cked	•
	d. Grout:	(KB/P)	,	<del>, , , , , , , , , , , , , , , , , , , </del>
		(KRRD)	FROM (FL)	TO (F1.)
			L	
2	D: 1 1- 11-			
2.	Distance to He		Seepage Tile Fi	سرام اماه
	Cess Pool			iron)
	i'rivy			1)
	Septic Tank	C 5'		
	Leaching Pit _		•	
,				
J.		his well to be us		isumption r
,		_ No		
	Date well comp		· · · · · · · · · · · · · · · · · · ·	
5.	Permanent Pun	np Installed? Y	es	No
	Monatacturer		Туре	n.
	Capacity	gpm. Dept	th of setting	It.
€.	Well Top Seale	d? Yes	No	<del></del>
7.	Pitless Adapto	r Installed? Y	'e s N	lo
8.	Well Disinfecte	d? Yes	No	
9.	Water Sample S	ubmitted? Yes	s1	Vo
RE	(ARKS:			
			.\	
		925	رم	
		$C_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}_{\mathcal{L}}}}}$	•	
		V 0'		
Ю	11 4.065	1		
16		•		
ΚIł	3 - 1			

GEO!	LOGICAL AND WATER	SURVEYS WI	ELL RECO	RD	
Addres Driller 11. Permit 12. Water i at dept 14. Screen Length 15. Casing Dium. (in.) 16. Size H 17. Static	No. 28466	License Date 13. County Sec. Twp. Rge. Elev.	O(PL) LOUBRC SE	SHOW CATION IN TION PLAT	) !
	I hours,	эн	THICKNESS	DEPTH OF BOTTOM	
	Q	c/sy	3-	8	
		mi	7		
	· · · · · · · · · · · · · · · · · · ·				
-	E ON SEPARATE SHEET IF  Ling E.)  Hamel 1,1200		(()	2/24	# RESONCTIONS

### WELL CONSTRUCTION REPORT

TYPE OR PRESS FIRMLY WITH DLACK INK PEN		Date 8-11-	-05
COMPLETE FORM WITHIN 30 DAYS OF WELL COMPLETION	GEOLOGICAL & WATER SURVEY WELL	RECORD	
AND SEND TO THE APPROPRIATE HEALTH DEPARTMENT  13.	Property Owner Midcontinent Coal & Owker	1	
		se Number <u>10</u>	
b. Bored Well: Buried Slab [ ]yes [X]no 15.	Name of Drilling Company Kohnen Concrete	Products.	Inc
Hole Diamin. toftin. toftin. toft. 16.	Permit Number 119-031-05  Date Drilling Started 7-25-05  Well SITE Address Old Nickel Plate Rd	Date Issu	ed
c. Drilled Well: PVC casing Formation Packer set at a depth offt. 18.	Date Drilling Started 7-25-05		
Hole Diam. 12 in. to 65 ftin. toftftftftft.	Well SITE Address Old Nickel Plate Rd		· ·
Type of Grout # of Baga Grout Weight From (8) To (8) Transia Danth (8)	Township Name Nameoki La. Subdivision Name Lo	nd 1D# it#_	
Type of Grout # of Baga Grout Weight From (fl.) To (fl.) Tremie Depth (fl.) 20.  Bentonite 0 33 21.	Location: a. County Madison	· #	
	b. Township 3N Range 9W Section 30		
GPS coordinates are required beginning 01/01/06 d. Drilled Well; Steel Casing Mechanically Driven [ ]yes [ ]no not required if GPS used	c. GPS:N	s	
d. Drilled Well: Steel Casing Mechanically Driven [ ]yes [ ]no not required if GPS used	d. SW Quarter of the SW Quarter of the NE Quart	er	
Hole Dianiin, toitin, toitin, tott. 22.	Casings, Liners *, & Screen Information		
Type of Grout # of Baga Grout Weight From (ft.) To (ft.) Tremie Depth (ft.)		) To (fl.)	
	8" PVC Solvent Solid 0+3 8" PVC Solvent Screen 55	65	attrycy use only
<del> </del>	O TVO SOTVENIC SCIECT 93	<del> - 03</del>	
e. Well finished within [X] Unconsolidated Materials [ ] Bedrock		<del></del>	+
f. Kind of Gravel/Sand Pack Grain Size/Supplier # From (ft.) To (ft.)	*(list reason for liner , type of upper and lower scale installed)		
Muscatine 33 65 23.	Water from Sand & Gravel at a depth of	<u>25</u> n. to	ນ <u>55</u> ຖ.
	a. static water level 15 ft, below casing which is 36	śin. aboye gr	round
2. Well Use: [ ] Donnestic [ ] Irrigation [ ] Commercial [ ] Livestock	b. pumping level is ft. pumping gp	m for	hours
[ ] Monitoring [X] Other	Earth Materials Passed Through	From (ft.)	To (ft.)
3. Date Well Completed: 7-25-05 Well Disinfected [ ) Yes [ ] No	Coal-Fill	lo l	8
Driller's estimated well yield 60+ gpm  4. Date Permanent Pump Installed 8-9-05	GOGI TILL	<del> </del>	
5. Plump Capacity 75 gpm Set at (depth) 46 ft.	Clay Yellow Silty	8	15
6. Pitless Adapter Model & Manufacturer:			
Attachment to Casing: [ ] Threaded [ ] Welded [ ] Compression	Sand Brown Fine	l 15	19
7. Well Cop Type & Manufacturer: Simmons Well Seal			
8. Pressure Tank: Working Cycle 26.4 gals. Captive Air: [X] Yes [] No	Sand & Gray Clay	19	25
9. Pump System Disinfected: [X] Yes [] No		105	22
10. Name of Pump Company Grundfos	Sand Brown	25	33
11. Pump Installer: Arnic Steinkamp License # 101-005-197		33	E0
12License #	Sand Gray, Course		_50
Licensed Pump Contractor Signature	Sand Course Gray Gravel BB Size	50	65
		] [	1
		<b>{</b> -	
Winds Department of Bublic Health		1	
Illinois Department of Public Health Division of Environmental Health – 525 W. Jefferson	(Continue on 2 <sup>nd</sup> sheet, if necessary)	<del> </del>	——— <del></del>
	(If DRY HOLE, fill out log & indicate how hole was sealed	£)	
4 3.16110	Control of the contro	•	
MPORTANT NOTICE. This State Agency is requesting disclosure of information that is necessary to	Don Beckett Q	102-00391	LO
accomplish the statutory purpose as outlined under Public Act 85-0863. DISCLOSURE OF THIS	DUV CHICA O CX	7. 7.	

INI'ORMATION IS MANDATORY. This form has been approved by the Forms Management Center.

25. Licensed Water Well Contractor Signature

License Number

### Well Construction Report

TY' OR PRESS FIRMLY WITH BLACK INK PEN of well completion and send to the appropriate health dept.

•								
i. Type of Well: a. I b. Bored Well: B Hole Diamete	uried Sla rin.	b [	,in	to <u> </u>	_n.;	in.		
c. Drilled Well: P Hole Diameter _	YC casing $10$ in $\omega$	Formation p	acker set a in. to_	at depth o	·	ft. _in. 10_		_fL.
Type of Grout	# of Bags	Grout Weight	From (fL)	To (乱)	Trem	ie Deoth	(fL)	
hole plue		70%						•
			<u> </u>	<u> </u>	<u> </u>		)	
d. Drilled Well: So Hole Diameter	eel Casing _in_ to	g Mechani fL;	cally Drive in. to	en { } Y	es ( in.	) No to	_ሒ	
Type of Grout	# of Bags	Grout Weight	From (fL)	To (fL)	Tren	ie D <del>eo</del> th	(fL)	
		<del></del>	<del> </del>	<u> </u>	ļ			
	L_,		1	l	L		لــــا	
e. Well finished wi	thin: (X)	Unconsolidate	d Material	s [ ] Be	edrock			
! Kind of Gravel S	and Pack	Grain Size/S	Supplie: #		<u>)                                    </u>			
<u>muscatine</u>		<u> </u>	····	18		_32_		
		l		<u>!</u>				
2. Well Use: [X] Do [] Mo 3. Date Well Comple Driller's sestimat 4. Date Permanent F 5. Pump Capacity 6. Pitless Adapter M 7. Well Cap Type an 8. Pressure Tank: W	ed well yiump insta 10 odel and l	2/20/01 eld 40-50 illed 1/8/02 gpm Manufacturer:	Well Digpm Set at (dep 100	sinfected  pth)  RP Bake	(X) Y	'es [ ] 25	No fL	
9. Pump System Dis 10. Name of Pump Co	infected: [	X) Yes [ ] h	40		. (22)		_	
11. Pump Installer:	to Prod			Licens Licens	e#_ <u>1</u> e#_ <u>1</u>	01 004 02 000	.79 <u>4</u> 304	_
Illinois Department of Division of Environm 525 W. Jefferson Stre Springfield, IL 62761	ental Heal		<i>(</i> O#	279	89	<u> </u>		_
२ ३३५०	142			Not write o				
EXPORTANT NOTICE:	This State	Agency is reques	ung diselosu	re of inform	nation (	hat is nec	rasar, Tilis	· 10

accomplish the statutory purpose as outlined under Public Act 85-0863. DISCLOSURE OF THIS INFORMATION IS MANDATORY: "This form has been approved by the Forms Management Center."

GEOLOGICAL & WATER SURVEY WE  13. Property Owner Metro Contract Services  14. Driller Randy Gebke  15. Name of Drilling Co. Korren Corcrete Product  16. Permit No. 119 024 01 Da  17. Date Drilling Started 12/20/01  18. Well SITE address 2201 Old Nickle Plated Rd  19. Township Name Nameoki  20. Subdivision Name  21. Location: a. County Medison  b. Township 3 N Range 9 W Section 30  C. SE Quarter SW Quarter NE Quarter  d. coordinates: Site Elevation	Land ID Lot #	2/10/01 #
	- IC (MSI)	
22. Casings, Liners*, & Screen Information	}	
Diam. (in.) Material Joint Slot Size From (ft.)	To (fL)	For Survey Use
6 PVC solvent 0+3		<del></del>
6 PVC screen 30 26	_31	
6 PVC solvert 31	32	•
(*)  (List reason for line, type of upper and lower seals installed  23. Water from <u>send &amp; pravel</u> at a depth of a static water level 12 ft. below casing which is b pumping level is ft. pumping gpm af	9 ft. to 3 in abo	o <u>35</u> ft. ve ground forhours
24. Earth Materials Passed Through	From (ft.)	To (fL)
clay gray	0	4
clay brown very sandy	1	5
send dark brown	9	14
sand dark brown w/pcs of wood sand & gravel brown	1 8	1 22
<del></del>		31
sand gray M-F		32
	<u> </u>	
(If DRY HOLE, fill out log & indicate how hole was sent	102 00334	nse Number

Date \_\_\_\_UI/15/UZ

# MAD3N9W-30.7e

June 25, 1953

### PARTIAL CHEMICAL AMALYSIS

Sample of water collected June 9, 1958 from a well owned by Madison High School in Madison, Illinois, Madison County. Location of well: Approx 1000'E and 2000'S of the NW corner of section 30, T3N, R9W. Depth of well: 101 feet.

### LABORATORY NO. 146826

D

	mqq.	epm.				ppm.	epm.
Iron(total) Fe	8.7		Fluoride Chloride Sulfate Alkalinity	(as	F C1 SO <sub>4</sub> CaCO <sub>5</sub> )	0.3 29. 138.6 308.	.82 2.88 6.16
Turbidity Color Odor	54 0 M		Hardness	( a.s	CaCCa)	420.	8.40
Temp.(reported)	57°F.	•	Total Disso	lved h	inerals	520.	

ppm. = parts per million epm. = equivalents per million

ppm. x .0583 = grains per gallon

STATE WATER SURVEY DIVISION

Laurel M. Henley Associate Chemist

LMH: ceh

3ルテルースで、62 January 4, 1979

### MINERAL ANALYSIS

Sample of water collected November 9, 1978, from a well owned by Madison High School, Madison, Illinois, in Madison County. Location of well: Section 30.6e, TiN, RSW. Depth of well: 101 feet. water temp. 57/2°

### LABORATORY NO. 209542

		mg/l	me/l			mg/1	mc/l
Iron(total)	Fe	26.		Phosphate(filt)	P	0.0	
Manganese	Mn	.28		(mfilt	) P	0.4	
Calcium	Ca	132	6.59	Silica	5i0 <sub>2</sub>	23.1	
Magnesium	Mg	33, 3	3,15	Fluoride	F -	0.2	
Strontium	Sr	.32	.01	Boron	В	0.4	
Sodium	Na	52,3	2.28	Mitrate	NO <sub>3</sub>	0.1	.00
Potassium	K	5.3	.14	Nitrite	NO <sub>2</sub>	.01	.00
Ammonium	MH4	0.4	.82	Chloride	Cl	90	2.54
Barium	Ba	<0.1		Sulfate	SO <sub>b</sub>	203.2	4.23
Cadmium	Cd	.00		Alkalinity (a	s CaCO <sub>3</sub> )	272	5.44
Chromium	Cr	.00		• •	4		- 4
Copper	Cu	.00					
Lead	Pb	<.05					
Lithium	Li	.00					
Nîckel	Xi	<.05					
Zinc	Zπ	.11					
Silver	Ag	.00		٠.			
Turbidity		86		Hardness (a	CaCOs)	487	9.74
Color		0		<b>(</b>		- • •	****
Odor		0					
Temp. (report	ed)	57.5		Total Dissolved	dinerals.	702	

mg/l = milligrams per liter

me/l = milliequivalents per liter

mg/1 x .0583 = grains per gallon

ILLINOIS STATE WATER SURVEY

James C. Whitney Head, Analytical Laboratory 217/333-0802

ot. of Public Health Yello .opy: Well Contractor Golden Copy: Well Owner

1. Type of Well

b. Driven c. Drilled

d. Grout:

3. Date well drilled\_\_\_\_

Manufacturer Berkley Location in well

a. Bored\_

Buried Slab: Yes

coment

2. Well furnishes water for human consumption?

Capacity 700 gpm. Depth of setting

4. Permanent pump installed? Yes Date 6,20,47

#### **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF WELL COMPLETION AND SENT TO THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH **525 WEST JEFFERSON STREET** SPRINGFIELD, ILLINOIS 62761

Hole Diam. 70 in.

No

Drive Pipe Diam.\_\_\_\_in.

Finished in Drift

FROM (Ft.)

Depth 88 ft

Depth 88 ft

In Rock TO (Ft.)

20

60

Caseway National	9. Drille	r CARY S	15K L	icense No.	02-003365
Colfeenan Mathona	<sup>]</sup> 10. Well S	Site Address RT 2	-03 & BIG	BEND	
Golf Links	11. Proper	rty Owner <u>647</u> E WA	LY WATIONAL	Well No	
		No. 119 025	<del>97</del> 0	ate Issued	
	13. Locati	ion:		ounty MA	
				80.31.80	-
ft			1	wp. 3 N	
<u>_</u> 1t			. K	ge . 9 W	
th <mark>88</mark> ft	14. Water	from SLND	at depth_	<b>48</b> ft	X
Rock		g and Liner Pipe			Show location
(Ft.)	Diam.(in)	Kind and Weight	From (ft)		in section
,	76 %	Prc SDR2	. 0	38	plat
		}		{	smem is co
		<del> </del>	<del></del>		IRR
No					TKK
77					
17 No.					
	16. Scree	n: Diam. <u>/6</u> in, Len	gth 40/in, S1at	Size LOS	5
ft.	17. Size	hole below casing	in. 18. Grou	nd Elev	ft msl.
	19. Stati	c level <u><b>8</b> </u> ft below	casing top which	h is <u>L</u> f	t. above
		d level. Pumping le		ing gpm fo	r hours.
<del> ,</del>	20. Earth	Materials Passed T	hrough	1	Depth of
		····		Тор	Bottom
	fill			0	4
·	fire	part of sil	<sup>2</sup> ¥	4	40
nation	moli	in sand	r :	40	78
se as this					
ved by			<del></del>		
	Continue	on separate sheet i	f necessary.	<u>.l</u>	1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

5. Well top sealed? Yes No Type CAP
6. Pitless adapter installed? Yes No
Manufacturer Model No
How attached to casing?
7. Well disinfected? Yes No.
8. Pump and equipment disinfected Yes No
IMPORTANT NOTICE
This State Agency is requesting disclosure of information
that is necessary to accomplish the statutory purpose as
outlined under Public Act 85-0863. Disclosiure of this
information is mandatory. This form has been approved by
the Forms Management Center
PRESS FIRMLY WITH BLACK PEN OR TYPE
Do Not Use Felt Pen

IL482-0126

City	County
Section	Twp. No Range
Location (in feet from secti	
Owner	Authority Shermon
Contractor	Address
Date drilled 1435	Elev. above sea level top of well 430
Depth 42	
Log Jay	20/
Were drill cuttings saved	Where filed
Size hole / If	reduced, where and how much
Casing record	•
Distance to water when not	t pumping Distance to water is
feet after pumping at	G. P. M. for hours.
Reference point for above	measurements G.C.
	Distance to cylinder
Length of cylinder	Length of suction pipe below cylinder
Length stroke	Speed
Hours used per day	Type of power
Rating of motor	Rating of pump in G. P. M.
Can following be measured	1: (1) Static water level
(2) Pumping level	(3) Discharge
(4) Influence on other wel	ils
•	Was water sample collected
Date	Effect of water on meters, hot water
coils, etc	3
Date of Analysis	Analysis No
	Recorder 6 6 6 7 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2807-22617 12	Date 3/27/32 FT
•	3 2

	Madison
City	County MINISON
<del>-</del>	$\frac{3/\sqrt{\text{Range}}  9 - 1000}{\sqrt{1000}}$
Location (in feet from section corner) 750	
Owner Lamey Bros.	Authority James
Contractor 2/3	Address
Date drilled 1930	Elev. above sea level top of well 420
Depth45	
Log Sand-	Hard pan at 40
Were drill cuttings saved	Where filed
Size hole / 7 If reduced, where and	how much
Casing record Stop 101	00.
Distance to water when not pumping	Distance to water is
feet after pumping at	· ·
Reference point for above measurements	G. L.
Type of pump + and	_Distance to cylinder
Length of cylinder	Length of suction pipe below cylinder
Length stroke //	Speed
Hours used per day	Type of power
Rating of motor	Rating of pump in G. P. M.
Can following be measured: (1) Static water	level
(2) Pumping level	(3) Discharge
(4) Influence on other wells	······································
Temperature of water	_Was water sample collected
Date	Effect of water on meters, hot water
coils, etc. Scole	
Date of Analysis	Analysis No.
	Recorder
2807-22617 12	Date 2/27/34

.

;

# Copy - see original and other data in St. Clair County folder

City E. St. Louis, RFD. 3	County Madison
Section 35 Twp. No. 3/	K. Range 9W.
Location (in feet from section corner) 750 W.	& 110'N of S.E. corner
Owner Ramey Bros.	Authority Jas. Ramey
Contractor Jas Ramey	Address R.F.D. 3
Date drilled	Elev. above sea level top of well
Depth 45	
Log sand below 22'	· .
· ·	· · · · · · · · · · · · · · · · · · ·
Were drill cuttings saved	Where filed
Size hole / If reduced, where and	•
Casing record 42' of 1's pipe	3' well point
Distance to water when not pumping 24'	Distance to water is
feet after pumping at	_G. P. M. forhours.
Reference point for above measurements 50	rface
Type of pump hand	_Distance to cylinder
Length of cylinder	Length of suction pipe below cylinder
Length stroke	_Speed
Hours used per day	Type of power
Rating of motor	Rating of pump in G. P. M. 5 (?)
Can following be measured: (1) Static water	level
(2) Pumping level	_(3) Discharge <u>Ves</u>
(4) Influence on other wells	
Temperature of water	Was water sample collected Yes
Date	Effect of water on meters, hot water
coils, etc.	
I e of Analysis	Recorder M.A. Churchill
	Recorder M.A. Churchill
2/ 7-22617 12	Date 3/27/39

cantile collected after sumping for 600 to 800 gpm.	30 minutes at and estimated rate of
City North of Wounds State Park	_County <del>Kadison</del>
Section Twp. No.	Range
Location (in feet from section corner)	
	Authority
Contractor Luhr Bros, Inc.	Address Columbia, Illinois
Date drilled September 14, 1955	Elev. above sea level top of well 412 MSL from topog map.
Depth 100 feet. C to 34 ft. Top soil & muck.	
Log 34 to 46 ft. Wedium sand. 46 to 49 ft. Wedium fine sand.	
49 to 54 ft. Coarse sand.	boulders or rock at
54 to 55 ft. Medium sand. Were drill cuttings saved yes	Where filed ? bottom.
Size hole 28-inch If reduced, where and	how much
Casing record 14-inch steel casing from 63 to 96 feet. Gravel Distance to water when not pumping 12 feet	# 0 to 65 feet. 12-inch steel, slotted -packed. Distance to water is 16.8 ft
to the state of th	G. P. M. for 30 kinotes kours.
Reference point for above measurements Top	of casing which is appros a feet above
Type of pumpFairbanks Forse Turbine	ound surface.  Distance to cylinder Bottom of bowls set at
· · · · · · · · · · · · · · · · · · ·	45 feet below base of pump.  Length of suction pipe below cylinder None
Turbine shaft-driven from gasoline Length stroke	
	Type of power <del>Gasline or Diesel engine</del>
	Rating of pump in G. P. M.
_	evel At present- with tape.
	·
<del>-</del>	(3) Discharge No.
	ls near
	_Was water sample collected_ <del>Yes</del>
Date November 1, 1955	Effect of water on meters, hot water
coils, etc	
Date of Analysis	ν <b>α.</b> Ζ
ease send copy of analysis to	Recorder
2807-22617 12	Date CY. V
E.G.Jones	Date EX. 6

City	County 1001501
•	. No. Range
Location (in feet from section corner)	
	Authority
•	Address
• · <del>- · · ·</del> · · · · · · · · · · · · · · · ·	Elev. above sea level top of well
Depth 1552   Plugged a	+65-1
Log	See Val
Were drill cuttings saved	Where filed
Size hole If reduced, w	where and how much
Casing record	· .
Distance to water when not pumping-	Distance to water is
feet after pumping at	G. P. M. forbours.
Reference point for above measurem	ents
Type of pump	Distance to cylinder
Length of cylinder	Length of suction pipe below cylinder
Length stroke	Speed
Hours used per day	Type of power
Rating of motor	Rating of pump in G. P. M.
Can following be measured: (1) Sta	tic water level
(2) Pumping level	(3) Discharge
(4) Influence on other wells	
	Was water sample collected
Date 14/7 3-1953	Effect of water on meters, hot water
coils, etc	
Date of Analysis	Analysis No 135 403
	RecorderDate
2807-22617 12	Date

hin CPY --III.: Dept. of Public Health Yellow Copy -- Well Contractor Blue Copy -- Well Owner

FILL IN AUL PERTINENT INFORMATION. EQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well					
	a. Dug					
	Curb material Burled Slab: YesNo					
	b. Driven Drive Pipe Diamin. Depthft.					
	c. Drilled X Finished in Drift In Rock.					
	Tubular		acked X			
	d. Grout:	(KIND)	FROM (Ft.)	TO (Ft.)		
		cement	-20	surface		
2,	Distance to Ne	urest: Over	minimum			
	Building		Seepage Tile Fig	eld		
	Cess Pool			iron)		
	Privy		Sewer (Cast Iron	)		
	Septic Tank					
	Leaching Pit_		Manure Pile			
3,						
4.			81			
5.				1/81_No		
			pe hand_Loca			
				Ft.		
				bber gasket		
7.			'es No			
			Model Numl			
	Well Disinfecte	o casingi	<del></del>			
			ed? Yes_X	M-		
		-		. 140		
10.	Location	-	rype	····		
11			s No	<del></del>		
	MARKS:	nniiittegt 141	s 110	<del></del>		
, ,	1713 20 (1 b b/)					

	GEO	LOGICAL AND WATER	SURVEYS	WE له	LL R	ECO	RD Val	e tive
10,	Proper	ty owner III. Dept Co	onserva Llinois	CW.	anno.		3	
	Driller	John T. Ruester					02045	
11.	Permit	No. 100736	Date _					
12.	Water !	Irom Sand	13. Cou	•			<u>n</u>	
	at dep	th <u>30</u> to <u>85</u> ft.	X Sec.	_	<u> 27</u> ئ	·		
14.		: Dicon. <u>6</u> in.	Twp				<b>2</b> 4	
	Length	1:5_ft. Slot_#6	Rge	· -	9W			
15.	Casing	g and Liner Pipe			<u> </u>			
Die	m. (in.)	Kind and Weight	From (Ft.)	Ť		Loc	WOLLY SHOW	
	ь	Steel18.97 lb/f	5	L	75	BRC'	TION PLAT	
	6	SSwell screen	75		^ 1		Su) A E	May <sub>C</sub> .
							ant.)	
16. 17.	Static above	lole below casing:	ng top whic	ch W	is hen pu	O mpine	ot 30	•
18.	1	PORMATIONS PASSED THROUG	Н		THICK	N B 88	DEPTH OF BOTTOM	
_C	1ay				13		13	
F	ine	sand			17		30	
M	ediu	m to coarse sand			68		85	
							l	
								_
		·		_				•
			<del></del>					•
		<del> </del>		_				
				1	1			

(CONTINUE ON-SEPARATE SHEET IF NECESSARY)

IDPH 4.065 1/74 - KNB-1

YOUR COLUMN PYON YOUR HERE

三人大心

5/10/83

#### WATER WELL SEALING FORM

#### ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 WEST JEFFERSON STREET SPRINGFIELD, ILLINOIS 62761

TYPE OR PRESS FIRMLY

RETURN ALL COPIES TO IDPH

mon	form shall be submitted to this Department not more than itoring well is sealed. Such wells are to be sealed not mo ordance with the sealing requirements in the Water Well C	re than 30 days after the	
1.	Ownership (Name of Controlling Party) Bank of Ed	wardsville	
2.	Well Location: Bend Rd	Madison	Madison
	Address - 1.ot # 37	City	County
	General Description: Section 31 Township 3 N	(N) (S) Range 9 W (	E) (W)
	NW Quarter of the NE	Quarter of the SE	Quarter
3.	Year Drilled ?		
4.	Drilling Permit # (and date, if known)?		<del></del>
5.	Type of Well: [   Bored   ] Drilled     NOther	brick	
6.	Total Depth 18' Diameter (	inches) <u>36''</u>	
7.	Formation clear of obstruction 1 7 yes 1   no		
8.	DETAILS OF PLUGGING		
	Filled with clay (cement or other materials)	from18'	to ft.
	Kind of plug	from	_ to ft.
	Filled with		
	Kind of plug		
	Filled with		
	Kind of plug	from	ft.
	Filled with	from	fi.
	Kind of plug	from	_ to ſt.
9.	CASING RECORD Upper 2 feet of casing removed		
10.	Date well was scaled: Mouth August	Day 18	Year 2004
li.	Licensed Water Well Contractor or other person approved	i by the Department per	forming well scaling:
	Dan Kohnen		102 004090
	Name	L	icense Number
	503 Green St	Germantown	II. 62245
	Address	City	State/Zip

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

Z36918B

## **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS
OF WELL COMPLETION AND SENT TO
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

	w
١.	Type of Well
	a. Bored Hole Diam. B 2 in. O.D. Depth 27.5 ft
	Buried Slab: Yes No_K_
	b. Driven Drive Pipe Diamin. Depthft
	c. Drilled_X Finished in Drift In Rock
	(KIND) FROM (Ft.) TO (Ft.)
	d. Grout: Cement/Bennyit 0 11.4'205
	CEMENC/ BENDAIR
2	Well furnishes water for human consumption? Yes No
٥.	Date well drilled August 8 1996  Permanent pump installed? Yes Date No
4.	Permanent pump installed? Yes Nate NO
	Manufacturer
	LocationNA
	Canacity NA com Dooth of cotting NA ft
5.	Well top sealed? Yes No Type Expandable Pluy Pitless adapter installed? Yes No Model No. MA
6.	Pitless adapter installed? Yes No
	Manufacturer NA Model No. MA
	How attached to casing?NA
7	Well disinfected? Yes NoM4
	Pump and equipment disinfected Yes No.VA
σ,	rump and equipment distillected resNo.2015
	FURANTAUT MATTE
	IMPORTANT NOTICE
	This State Agency is requesting disclosure of information

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosiure of this information is mandatory. This form has been approved by the Forms Management Center.

PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

9. Orille	rRoberts Env. Dr.1	ina Tuc Li	cense No.0	92-00686	5
10. Well S	ite Address Granite	CVH S	t		
11. Proper	ty Owner National S	teel Cora	2. Well No.	G133	
12. Permit	t No	Da	te Issued		_
	ion: West Side of	1 Cc	ounty Mag	ison	
	10 0.1 1 - 16:11		ec. <i>3ó</i>		٦
Crai	wite City Landfill F. Perinceter R.D.	TV	NP. 3N	┝╼┾╼┼╸	-
#0 L	.t. revincetor resc	Rç	ge . <u>94)</u>	<del>├──</del> ┼─┼	X
			1 - 7 · .	<del>╶</del> ┼╌┼╌	-
	from	at depth			!
	g and Liner Pipe	to From (ft)	ft S	how locati	ОП
יחון.maוט am.(ווי)	Kind and Weight SNOW				t
	Sch 40 PVC .010	27.2 BO	5 17.0 pc	≰ piat	
_	CIMPA	ا م در ا	م ماه نه د	<b>-</b>	
2	Sch 40 Prc	11.0 BG	2.8 AGS	•	
			1		
<del></del>	<del> </del>	<del> </del>	<del></del>	i	
•		1	1		
	L	Ll		:	
16. Scree	n: Diam. <u>2</u> in, Length <u>/</u>	5.5in. Slot 9	Size 010"	;	
	hole below casing wair			ZO flanc	1.
	c levelft below casi				• •
	d level. Pumping level				s.
	Materials Passed Through			Depth of	
			Тор		
~					
Brn	Si Sa		0	12.0	
	/ · C 0		F		i
one	Sill		12.0	18.0'	
Brn	SiCl Fi-Med Sal		18.0	27.5'	
			·	<b></b>	
Continue	on separate sheet if nec	essary.	- <del> </del>	a.,,, a—	•
				, ,	
Signed	1 lucas Rev	_	Date 8/	14/46	

GEOLOGICAL AND WATER SURVEYS WELL RECORD

11.482-0126

Ill. "ot. of Public Health Yellc upy: Well Contractor Golden Copy: Well Owner

#### **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS
OF WELL COMPLETION AND SENT TO
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

١.	Type of Well a. Bored Hole C	niam. 8½ in. 6.D. No	<i>52.5</i> enth <b>53</b> ft			
	Buried Slab: Yes		open Zan C			
		Pipe Diamin.	Depthft			
	c. Drilled 🗶 Find	shed in Drift	In Rock			
	(KIND)	FROM (Ft.)	TO (Ft.)			
	d. Grout: Cement/Benjoni	, 0	35.5 BGS			
		<u> </u>	<u>                                     </u>			
	Well furnishes water for Date well drilled 50					
4.	Permanent pump installed	? Yes Date	No X			
	ManufacturerNATypeNA					
	Location					
	Capacitygpm. De					
	Well top sealed? Yes_X					
6.	Pitless adapter installe					
	Manufacturer		del No. NA			
	How attached to casing?_					
	Well disinfected? Yes					
В.	Pump and equipment disin	fected Yes No	<u> N</u> A			

#### IMPORTANT NOTICE

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosivre of this information is mandatory. This form has been approved by the Forms Management Center.

PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

9. Driller Roberts Env. Drilling Inc. License No. 092-006865						
10. Well Site Address Granite	Chity, IL		<del></del>			
11. Property Owner National St			G133			
12. Permit No.		ite Issued ounty <u>Ma</u>	7			
13. Location: Was T Side as	•	ec. 30	usau			
Granite airy Landfill		10.3N				
next to perimeter roa	14	je 9W	<u> </u>			
14. Water from	at depth_/	6.5 ft				
15. Casing and Liner Pipe	to	ft	Show location			
Diam.(in) Kind and Weight .010			in section			
2 s.b. Seu to PVC Screen	52,5	42.0 B	≨s plat			
		A.G.S.				
2 I.D. Sex 40 PVC	42.0	2.5				
	1					
	<del></del>					
!	l i					
	<del></del>		,			
16. Screen: Diam. Zin, Length						
17. Size hole below casing WA in						
19. Static levelft below casi						
ground level. Pumping level			Depth of			
100	<i>,.</i> .	lop	Hottom			
Brn Si Sa		0	11'			
		,				
Gry Si Cl	···	11'	18'			
Brn 7:- Med Sal	1	1 1				
		18'	44'			
<u>.</u>		18'	52.5			
Gry Med-Co Sa		1	,			
Gry Med-Co Sa		1	,			
<u>.</u>	cessary.	1	,			

GEOLOGICAL AND WATER SURVEYS WELL RECORD

IL482-0126

WELL CONS"	'ICTION	REPORT
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Date	8/4/97	 $\bigvee$

TYPE OR PRESS FIRMLY WITH BLACK INK PEN, THIS	GEOLOGICAL AND WATER SURVEY WELL RECO	RD
FORM MUST BE COMPLETED WITHIN 30 DAYS OF COMPLETION AND SENT TO THE APPROPRIATE HEALTH DEPARTMENT	11. Permit Number n/a Date Issu	n/a
AND SENT TO THE AFTROPRIATE HEALTH DEFARMENT	12. Property Owner National Steel Corp.	Well #   T-135
1. Date Well Completed 7/24/97	· · · · · · · · · · · · · · · · · · ·	vices Inc.
2. Use: [] Domestic [] Irrigation [] Commercial [] Livestock	14. Name of Person who drilled the well	Harries
Monitoring [ ] Other		III IV Landfill
3. Type of Well:	1/1.	and ID#
a. Bored Well: Hole Diameterin. Depthft.	17. Subdivision Name h/a / Lot	
Casing Diameter in. Buried Slab: []Yes []No	18. Location: Cnty Madis on Sect 30 Twishp 3	
b. Driven Well: Drive Pipe Diameterin. Depthft.	NE Quarter of the SE Quarter of the NE	
c. Drilled Well: Well Diameter 8.5 in. Depth 22.0 ft.	19. Casing and Liner Pipe:	20. Screen:
Casing Diameter 20 in. Type PVC 8ch 40 Joint Hireaded	Dia (In.) Type From(ft) To (ft)	
Casing Grout:  Oversized	2 5ch. 40 PVC 22 12	Length / O ft.
Kind Drill Hole(In) From(ft), To(ft)		Slot Size /0
bentonite aellets 3.5 0 10		Material PVC Sch. 40
A TOTAL PLANTS OF THE PARTY OF	21. Water from top of casing at depth 7.2	ft. tg — ft.
	22. Static Level 7.2/ ft. below casing top which is 2.35	_ /
Finished In: Unconsolidated [] Gravel Pack: Kes []No	Pumping Level <u>n/a</u> ft. Pumping n/a gpm for _	
Rock [] Grain Size "D Well Morie"	23. Earth Materials Passed Through Depth Top(ft)	Depth Bottom(ft)
4. Well Disinfected? []Yes No	Brown silt	6
5. Date Permanent Pump Installed ///a	Brown 57/ty scand	17
6. Licensed Pump Contractor	Tan fine sand 17	22.5
License Number n/a/		
7. Pitless Adapter Installed? []Yes []No 11/9		
Manufacturer $n/a$ Model $n/a$		
Attached to Casing - How? [] Screwed, On, [] Welded [] Compression y./q		
8. Type of Well Cap expandable alig		
9. Tank Working Cycle 1/a gallons Captive Air. []Yes []No 11/a		
10. Pump and Equipment Disinfected? []Yes []No		
General Comments: (If dry hole, fill out log & indicate how hole was sealed.)		
Illinois Department of Public Health		<del> </del>
Division of Environmental Health - 525 W. Jefferson (1) # 1 ( 92 4	Continue on back of sheet if necessary	<u></u>
Springfield, IL 62761 Racing in Springfield, IL 62761	" Charles S. Harris	-11 2 80 L
MPORTANT NOTICE. This State Agency is requesting disclosure of information that is necessary to accomplish	Harris Dulling Sources Line.	71680
be statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This	Licensed Contractor Signature	License Number

form has been approved by the Forms Management Center.

#### WELL CONST TICTION REPORT

Date	8/4/97	
_		

TYPE OR PRESS FIRMLY WITH BLACK INK PEN, THIS	GEOLOGICAL AND WATER SURVEY WELL RECORD
FORM MUST BE COMPLETED WITHIN 30 DAYS OF COMPLETION	4/4
AND SENT TO THE APPROPRIATE HEALTH DEPARTMENT	11. Permit Number
- laulan	12. Property Owner National Steel Corp Well # T-/36
1. Date Well Completed 7/24/17	13. Drilling Company Name Harriss Drilling Sorvices, Inc.
2. Use: [] Domestic [] Irrigation [] Commercial [] Livestock	14. Name of Person who drilled the well Chuck Harriss
Monitoring [] Other	15. Well Site Address Grange City, IL; Section III to landfill
3. Type of Well:	16. Twishp Name / VIIII early Land ID#
a. Bored Well: Hole Diameterin. Depthft.	17. Subdivision Name <u>n/a // Lot n/a</u> Elevation ~40 S
Casing Diameter in. Buried Slab: []Yes []No	18. Location: Cnty Madison Sect 50 Twishp 3W Range 7W
b. Driven Well: Drive Pipe Diameterin. Depthft.	NE Quarter of the NE Quarter of the SE Quarter
c. Drilled Well: Well Diameter 3.5 in. Depth 15 ft.	19. Casing and Liner Pipe: 20. Screen:
Casing Diameter 20 in. Type PVC Sch. 40 Joint Harans	Dia (In) Type From(ft) To (ft) Diameter 2 in.
Casing Grout: Oversized	2 Sch. 40 PVC 15 5 Length 10 ft.
Kind Drill Hole(In) From(ft), To(ft)	Slot Size / O
tentrate pellets 8.5 0 3.5	Material PKC Sch.
	21. Water from 130 D+ casing at depth 7.05 ft. to ft.
	22. Static Level 7.05 ft. below casing top which is 2.50 in above ground level.
Finished In: Unconsolidated [ ] Gravel Pack: Yes [ ]No	Pumping Level 11/a ft. Pumping h/a gpm for n/a hours.
Rock [] Grain Size " & Well Morie"	23. Earth Materials Passed Through Depth Top(ft) Depth Bottom(ft)
4. Well Disinfected? []Yes DNo	kight gray Silt
5. Date Permanent Pump Installed h/a	Dark gray Silt 2 6
6. Licensed Pump Contractor u/a	Groy Island 6 15
License Number	
7. Pitless Adapter Installed? []Yes []Np 1/7	:
Manufacturer u/a Model n/a	
Attached to Casing - How? [] Screwed On [] Welded [] Compression n/	
8. Type of Well Cap expandable plus	
9. Tank Working Cycle n/A gallons Captive Air: []Yes []No n/A	
10. Pump and Equipment Disinfected? []Yes []No n/a	
10. I minh min Edinburgit Diamiconari. (1102 (110 N )	
General Comments: (If dry hole, fill out log & indicate how hole was sealed.)	
Control Control (c. c., dele, income 19 et allem de la control de la con	
Illinois Department of Public Health	
Division of Environmental Health - 525 W. Jefferson CO # 26925	Continue on back of sheet if necessary
Springfield, IL 62761 ? 299790	Harriso Dulling Sources Inc.
IMPORTANT NOTICE. This State Agency is requesting disclosure of information that is necessary to accomplish the state or purpose as outlined under Public Act \$5-0863. Disclosure of this information is mandatory. This	Licensed Contractor Signature U License Number

form has been approved by the Forms Management Center.

#### WELL CONSTRUTION REPORT

TYPE OR PRESS FIRMLY WITH BLACK INK PEN, THIS
FORM MUST BE COMPLETED WITHIN 30 DAYS OF COMPLETIO
AND SENT TO THE APPROPRIATE HEALTH DEPARTMENT

1. Date Well Completed June 12, 20	001				
2. Use: [] Domestic [] Irrigation [] Con	nmercial []	Livestock			
[X] Monitoring [ ] Other		<del></del>	<del></del>		
3. Type of Well:	. D	.1.	. ' .		
a. Bored Well: Hole Diameter			_ft.		
Casing Diameter in. Buried					
b. Driven Well: Drive Pipe Diameter			ft.		
c. Drilled Well: Well Diameter 8.5					
Casing Diameter 2.0 in. Type PVC	-		VVC Scn	4(	
	Oversized	N H	m (6)	٠	
		n) From(ft)	1 I	. •	
Cement Bentonite Chips	8.5 8.5	3.0	3.0		
benton te chips	0.5		13.0		
		N	1		
-4·-	vel Pack: [	]Yes [x]No	)		
Rock [] Grain Size_	<del></del>	<del></del>			
<ul> <li>4. Well Disinfected? []Yes [χ]No</li> <li>5. Date Permanent Pump Installed</li> <li>NA</li> </ul>					
•				٠.	
6. Licensed Pump Contractor NA  License Number NA			<del></del>		
7. Pitless Adapter Installed? []Yes []No	<del></del>	····		•.	
Manufacturer		Model	_		
Attached to Casing - How? [] Screwed				•	
8. Type of Well Cap <u>Expandable Pl</u>		men [] con	nhicasion		
9. Tank Working Cycle gallon:		ir [ ]Ves [	1No	-	
10. Pump and Equipment Disinfected? []	<del>-</del>	m. [ ] i ca [	).140		
NA	ica [ ]ito				
General Comments: (If dry hole, fill out log	& indicate	how hole wa	as scaled.)	Ž	
	. [	· · · · · · · · · · · · · · · · · · ·		٦	
Illinois Department of Public Health		co #. 2	1861		
Division of Environmental Health - 323 W. Jefferson					
Springfield, IL 62761 2 334951	/				
THE PART NOTICE THE PART THAT THE PROPERTY AND THE PROPERTY AND THE PART THAT THE PART THE PART THAT THE PART THAT THE PART THAT THE PART	03				

sary to accomplish

IMPORTANT NOTICE. This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

#### GEOLOGICAL AND WATER SURVEY WELL RECORD

. (CHE DEVEDED CON HON LESSEN ....

					• *
11. Permit	Number	NA		Date Issue	ed
12. Property	y Owner <u>Nat</u>	ional Steel (	Corporat	tion	Well # R130
13. Drilling	Company N	ame MRK Env	ironment	:al	
14. Name o	f Person who	drilled the well_	Mike Kos	ydor	
15. Well Si	te Address <u>G</u>	ranite City	Landfi	1 Sect	ion III/IV
					and ID#
17. Subdivi	sion Name	~~~	/	Lot	Elevation
18. Location	n: Cnty Mad	ison Sect	30 Y T	wnshp 3N	Range 9W
NE	Quarter of	the NE Qu	arter of th	e SE	Quarter
19. Casing		<b>)</b>			20. Screen: Prepack
Dia (In)	Туре		From(ft)	To (ft)	
2	PVC Sch	40	13.0	-2:79	Length 10 ft.
2	PVC Sch 4	10 Prepack Sc	23.0	13.0	Slot Size <u>0.010</u>
<b></b>					Material PVC
21. Water f	rom		at de	pth13.0	_ft. to <u>23.0</u> _ft.
		ed Through Sand	Depth0.		Depth Bottomi(ft) 23.0
			Ev.	The C	
			~O <sub>A</sub>	ONISON ON THE PROPERTY OF THE	20,
Continue or	back of shee	et if necessary		<del></del>	062-047168
Licensed &	Anteschor Sign	ıature	······································	<del></del>	License Number
	r.c				

## Illinois Department of Public Health WATER WELL CONST CTION REPORT

TYPE OR PRESS FIRMLY WITH BLACK INK PEN. COMPLETE WITHIN 30 DAYS OF	1/3/
WELL COMPLETION AND SEND TO THE APPROPRIATE HEALTH DEPARTMENT.	GEOLOGICAL AND WATER SURVEY WELL RECORD
	13. Property Owner National Steel Corporation Well # GIBR
1. Type of Well a. Driven Well Casing diamin. Depthft.	14. Driller MRK Environmental License# -
b. Bored Well Buried Slab [ ] Yes [ ] No	15. Name of Drilling Co. MRK Environmental
Hole Diameterin. toft.;in. toft.;in. toft.  c. Drilled Well PVC casing Formation packer set at depth offt.	16. Permit No. NA US Date Issued
c. Drilled Well PVC casing Formation packer set at depth offt.	17. Date Drilling Started 4/18/01
Hole Diameter 8,25 in. to 27,3 ft. in. to ft. in. to ft.	18. WelkSITE address GRANITE CITY STEEL LANDFILL
Type of Grout # of Bags Grout Weight From (ft.) To (ft.) Tremie Depth (ft.)	19. Township Name Land ID #
Type of Grout # of Bags Grout Weight From (ft.) To (ft.) Tremie Depth (ft.)  Cement   O   1.0	20. Subdivision Name  Lot #
	21. Location a County MADISON
Bentonite Chips 4 1.0 14.0	b. Township 3N Range 9W Section 303
d. Drilled Well Steel Casing Mechanically Driven [ ] Yes [ ] No	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Hole Diameter in. toft in. toft in. toft.	c. <u>NE</u> Quarter <u>NW</u> Quarter <u>SE</u> Quarter
Title Diameter	d. Coordinates Site Elevation 420 ft. (msl)
Type of Grout # of Bags Grout Weight From (ft.) To (ft.) Tremie Depth (ft.)	22. Casings, Liners* and Screen Information
	LIII   L
	Diam. (in.) Material Joint Slot Size From (ft.) To (ft.)
	2 PVC Thread 0.010 27.0 17.0 Prepack
e. Well finished within X Unconsolidated Materials [ ] Bedrock	
f. Kind of Gravel Sand Pack Grain Size/Supplier # From (ft.) To (ft.)	2 PVC Thread 17.0 -3.4
Sand 14.0 27.0	<u> </u>
	(*)
2. Well Use [ ] Domestic [ ] Irrigation [ ] Commercial [ ] Livestock	(List reason for liner, type of upper and lower seals installed)
Monitoring [ ] Other	00 777 . 0
3. Date Well Completed 4/18/01 Well Disinfected [ ] Yes X] No	23. Water fromat a depth offt, toft.
Driller's estimated well yieldgpm	a. Static water level 18.6 ft. below casing which is 41 in. above ground
4. Date Permanent Pump Installed	b. Pumping level is ft. pumping gpm after pumping for hours
5. Pump Capacity gpm Set at (depth)ft.	OA BUILD IN LOS IN THE STATE OF
6. Pitless Adapter Model and Manufacturer	24. Earth Materials Passed Through From (ft.) To (ft.)
7. Well Cap Type and Manufacturer ExpANDABLE PLUG	Gravel, Dark Gray Silty Sand 0.0 3.0
8. Pressure Tank Working Cycle gals. Captive Air [ ] Yes [ ] No 9. Pump System Disinfected [ ] Yes [ ] No	Gray Silty Fine to Medium Sand 3.0 27.3
10. Name of Pump Company	5127 517 1116 10 1 200 2 510 275
11. Pump Installer License #  12. License #	
Licensed Pump Contractor Signature	<del></del>
Illinois Department of Public Health	
Division of Environmental Health	
525 W. Jefferson St. Springfield, JL 62761  COUNTY No. 27768	
Springfield, IL 62761 COUNTY NO.	
R 33\535	(If dry hole, fill out log and indicate how hole was sealed.)
IMPORTANT NOTICE: This state agency is requesting disclosure of information that is necessary to	Franklin D. Maddop 062-047168
accomplish the statutory purpose as outlined under Public Act 85-0863. DISCLOSURE OF THIS	25. Licensed Water Well Contractor Signature License Number
INFORMATION IS MANDATORY. This form has been approved by the Forms Management Center.	25. Electised Water Team Software Signature Electise Mulliper

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION)

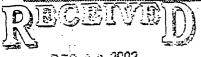
1. Date Well Completed 1/18/C	· /		
2. Use: [] Domestic [] Irrigation [] Com	mercial []]	ivestock	
[M Monitoring [] Other			
3. Type of Well:	<del>,,</del>		<del></del> -
a. Bored Well: Hole Diameter	in Denth		ft
Casing Diameterin. Buried			••••
b. Driven Well: Drive Pipe Diameter_			ft
c. Drilled Well: Well Diameter 8.			
Casing Diameter 2 in. Type P			
	Oversized		NI COUCH
Caping Great	Drill Hole(In)	From(ft)	To/ft)
Killa	Dim Holeting	LIVERIA	10(11)
		<b></b>	
		<del></del>	
Finished In: Unconsolidated [] Grav	vel Pack: Pd1	es I INo	
Rock [ ] Grain Size /			ze
4. Well Disinfected? []Yes XNo	<u> </u>		
5. Date Permanent Pump Installed	VA		
6. Licensed Pump Contractor	A		<del></del>
License Number			<del></del>
7. Pitless Adapter Installed? [ ]Yes []No	· · · · · · · · · · · · · · · · · · ·	<del></del>	
	М	odel	
Attached to Casing - How? [] Screwed	On [] Welde	d [ ] Com	pression
8. Type of Well Cap			,
9. Tank Working Cycle A gallons	• /	,	- 1
10. Pump and Equipment Disinfected? []	<del>-</del>		•
-1-1-1			
General Comments: (If dry hole, fill out log	& indicate he	ow hole was	sealed.)
	<b></b>		
Illinois Department of Public Health			Λ
Division of Environmental Health - 525 W.	Jefferson (	10 #. <u>2</u>	7979
Springfield, IL 62761 Q 340275	/		

IMPORTAN' NOTICE. This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

GEULOGICAL AND WATER SURVEY WELL RECORD

11. Permit Number	Date Issued		
12. Property Owner Natronal Stee		Well # P201	
13. Drilling Company Name Roberts Env			74.74
14. Name of Person who drilled the well	m Barter	Jue Brow	
15. Well Site Address Granite City, I			
16. Twishp Name Name oK	, ,	nd ID#	escal. J 1 · ·
17. Subdivision Name NA 6	& Lot N	<del></del>	7.A n.
18. Location: Cnty Madison Sect 30	<del></del>		
NW Quarter of the SE Quarter		Quarter	
19. Casing and Liner Pipe:		20. Screen:	
Dia (In.) Type From	m(ft) To (ft)	Diameter Zin.	
2" Schedule 40 PVC		Length 10 ft.	
		Slot Size 10	
		Material PV	·
		ft. toft.	
22. Static Level 9.54 ft. below casing top whi	ch is 38, 43°	g. above ground level	I. PW.
Pumping Levelft. Pumping		hours.	2/6/0
	epth Top(ft) D	epth Bottom(ft)	-1-1
Black to Dark Gray Lean Clay	0	<u>6,5</u>	
Gray Silty Sand	6.5	11.0	
Dack Gravish Brown			
	11.0	24.0	
Olive Brown		~ ~ ~	
Well Graded Sand	<del>24.0</del>	21.0	
	<del></del>		
<del></del>			
	<del></del>		
	1	<u> </u>	
Continue on back of sheet if necessary			
Licensed Contractor Signature		License Number	11/05

#### WATER WELL SEALING FORM



JRFC 2 2 2003

#### ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 WEST JEFFERSON STREET

SPRINGFIELD, ILLINOIS 62761

RETURN ALL COPIES TO IDPH OR LOCAL HEALTH DEPARTMENT

Division of ⊂Type or 1818 to 1817.

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, buring or muniforing well is sealed. Such wells are to be sealed not more than III days after they are abandoned in accordance with the sealing requirements in the Water Well Construction Code. Ownership (Name of Controlling Party) 1. 2. General Description: 7 Township Range WELL NO. Drilling Permit Number (and date, if known) 4. Drilled Diameter(inches) 6. Total Depth Formation clear of obstruction 4/4" HSA - Back filled w/ bentonite 8. Filled with (cement or other materials) from 2-7.1 to O ft. 18 6445 Dentonite - by struteel Filled with from Kind of plug from Filled with from Kind of plug from CASING RECORD: Upper 2 feet of casing removed 10. Date well was sealed: Month 11. Licensed water well driller or other person approved by the Department performing well sealing. Address

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as offlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

1. Date Well Completed 1/17/C	<b>&gt;</b> /
2. Use: [] Domestic [] Irrigation [] Com	mercial [] Livestock
Monitoring [] Other	
3. Type of Well:	
a. Bored Well: Hole Diameter	in. Depth ft.
	<del></del>
Casing Diameter in. Buried	
b. Driven Well: Drive Pipe Diameter	
c. Drilled Well: Well Diameter S. (	
Casing Diameter in. Type F	
- manuage - manu	Oversized
Kind	Drill Hole(In) From(ft) To(ft)
Finished In: Unconsolidated [] Grav	
-	6-20 sievesize
4. Well Disinfected? []Yes [X]No	
5. Date Permanent Pump Installed	V4
6. Licensed Pump Contractor	<u> </u>
License Number	
7. Pitless Adapter Installed? [ ]Yes [ ]No	
	Model
Attached to Casing - How? [] Screwed	
8. Type of Well Cap expande 6	Ble & plug
9. Tank Working Cycle gallons	s Captive Air: []Yes []No
10. Pump and Equipment Disinfected? []	Yes []No
General Comments: (If dry hole, fill out log	, & indicate how hole was scaled.)
Illinois Department of Public Health	pr. 100
Division of Environmental Health - 525 W.	
Springfield, IL 62761 9 340 276	CO #. 01 10

IMPORTANT NOTICE. This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

#### GLJLOGICAL AND WATER SURVEY WELL RECORD

11. Permit Number	Date Issue	xd	<del></del>
12. Property Owner Natronal Stee	1 Corp	Well # P 20 2	
13. Drilling Company Name Roberts		ling, Inc.	
14. Name of Person who drilled the well 5			
15. Well Site Address Granite City	1. IL Propo	sed Section 5	Land-SI
16. Twishp Name Name of		and ID#	<del></del> ,
17. Subdivision Name	6X Lot_	Elevation 4/0	<u>),                                    </u>
18. Location: Cnty Madison Sect 30	Twnshp 3	N Range 94	
NW Quarter of the SE Quart	er of the N/W	T-Quarter	
19. Casing and Liner Pipe:		20. Screen:	
	rom(ft) To (ft)	Diameter in.	
2 Schedule 40 PVC		Length 10 ft.	
		Slot Size 10	1
		Material 48 51	<u> </u>
21. Water from top of casing	at depth <u> </u>	<b>S</b> ft. toft.	
22. Static Level <u>2.35</u> ft. below casing top v	vhich is 3,04	in above ground level.	
Pumping Levelft. Pumping	gpm for	hours.	
23. Earth Materials Passed Through	Depth Top(ft)	Depth Bottom(ft)	
Park Grazish Brown	ļ		
SiltySand	0	4.0	
Dark Gray Lean Clay	4.0	12.0	
Dock Grayish Silty Sand	12.0	19.0	
Dack Grayish Grown		<u> </u>	
Poorly Graded Sand	19.0	34.0	
	ļ		
	ļ		
	<del> </del>	-	
	<del> </del>	<u> </u>	
	<del>                                     </del>	<del> </del>	
Continue on back of sheet if necessary			
1			

Licensed Contractor Signature

License Number

1. Date Well Completed 1/18/0	01
2. Use: [] Domestic [] Irrigation [] Co	mmercial [] Livestock
Monitoring [] Other	
3. Type of Well:	
a. Bored Well: Hole Diameter	in. Depthft.
Casing Diameterin. Buriec	d Slab: []Yes []No
b. Driven Well: Drive Pipe Diameter	
c. Drilled Well: Well Diameter 8	
Casing Diameter 2 in. Type Sc	hedule 40 PV Joint Threaded
Casing Grout:	Oversized
Kind	Drill Hole(In) From(ft) To(ft)
Finished In: Unconsolidated [] Gr	
	16-20 sieve size
4. Well Disinfected? []Yes MNo	
5. Date Permanent Pump Installed	NA
6. Licensed Pump Contractor	
License Number	
7. Pitless Adapter Installed? []Yes []No.	
Manufacturer  Attached to Casing - How? [] Screwer	Model Commencion
8. Type of Well Cap ex	
9. Tank Working Cycle Agallor	
10. Pump and Equipment Disinfected? [	
to. Fump and Exturpment Distriction	Jies [ Jivo
General Comments: (If dry hole, fill out lo	og & indicate how hole was sealed.)
, , ,	. /
THE CONTROL ASSESSMENT OF THE PARTY OF THE P	
Illinois Department of Public Health Division of Environmental Health - 525 W	Jefferson D708/
Springfield, IL 62761	CO #. 02 70 1
The Later A was a second of the later of the	/

IMPORTANT NOTICE. This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

#### GEOLOGICAL AND WATER SURVEY WELL RECORD

11. Permit Number	Dato Issue	sd.	
12. Property Owner National St		Well # P20	3
13. Drilling Company Name Roberts			
14. Name of Person who drilled the well			
15. Well Site Address Grante Cit		sed Section s	21.45
16. Twishp Name Name ok	, , ,	and ID#	<u> </u>
17. Subdivision Name	OF Lot	Elevation 4	26 ft.
18. Location: Cnty Madison Sect	3 (2) Twosho 3		•
MQuarter of the SE Qua			
19. Casing and Liner Pipe:		20. Screen:	
Dia (In) Type	From(ft) To (ft)	Diameter in.	
2 Schedule 40 PVC		Length 10 ft.	
		Slot Size 10	
		Material PVC	
21. Water from -top CA Casing			ווו
22. Static Level 2,38 ft. below casing top	which is 3.5	in above ground leve	1. KW
Pumping Levelft. Pumping_	gpm for	hours.	2/6/0
23, Earth Materials Passed Through	Depth Top(ft)	Depth Bottom(ft)	
Dark Gray Lean Clay	10	2	
Dack Gray Silty Sand	/   2	6	
Grap Lean Clay	6	12	
(Treenish Black Clayer Dil	<i>t</i> 12	19.5	
Lack Gray Lean Clay	19.5	21	
Very Dock Gray			
Footly Graded Sand	/ <del></del>	3/	
		<del> </del>	
		<del></del>	
	<del>-  </del>		
		<u> </u>	
Continue on back of sheet if necessary			

Licensed Contractor Signature

License Number

11/95

1/10/01
1. Date Well Completed 1/19/01
2. Use: [] Domestic [] Irrigation [] Commercial [] Livestock
Monitoring [] Other
3. Type of Well:
a. Bored Well: Hole Diameter in. Depth ft.
Casing Diameterin. Buried Slab: []Yes []No
b. Driven Well: Drive Pipe Diameter in. Depth ft.
c. Drilled Well: Well Diameter S. O in. Depth 38.4 ft.
Casing Diameter 2 in. Type Schoole 40 PV Joint Thread
Casing Grout: Oversized
Kind Prill Hole(In) From(ft) To(ft)
Finished In: Unconsolidated [] Gravel Pack: MYes []No
Rock [] Grain Size 16-20 Sieve Size
4. Well Disinfected? []Yes No
5. Date Permanent Pump Installed
6. Licensed Pump Contractor
License Number
7. Pitless Adapter Installed? []Yes []No
Manufacturer Model Model
Attached to Casing - How? [] Screwed On [] Welded [] Compression
8. Type of Well Cap Cypandable Plug
9. Tank Working Cycle A gallons Captive Air: []Yes []No
10. Pump and Equipment Disinfected? []Yes []No
•
General Comments: (If dry hole, fill out log & indicate how hole was sealed.)
· /
Illinois Department of Public Health
Division of Environmental Health - 525 W. Jefferson CO # 27 982
Springfield, IL 62761 & 340278/
7 2405181

IMPORTANT NOTICE. This State Agency is requesting disclosure of information that is necessary to accomplish the statement purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

#### GEOLOGICAL AND WATER SURVEY WELL RECORD

11. Permit Number	Date Issue	×d	<del></del>
12. Property Owner National St		Well # P 20	4
13. Drilling Company Name Roberts E	FAU DAILL	ng, Inc.	
14. Name of Person who drilled the well	Sim Bark	er/ Joe Br	مرسان
15. Well Site Address Grante City	IL: Propose	Section 5	and Si
16. Twishp Name Name ect		and ID#	
17. Subdivision Name	Lot	Elevation 4/.	2.6 A.
18. Location: Cnty Madison Sect	30 Twishp 3		
WQuarter of the SE Qua			
19. Casing and Liner Pipe:	<del>1.6.73</del>	20. Screen:	
Dia (In) Type	From(ft) To (ft)	Diameter 3 in.	
2 Schedule 40 PVC	<u> </u>	Length /O ft.	
		Slot Size 10	_
		Material PVC	` 
21. Water from top of casine	a _at depth 13, 9	ft. to ft.	Die
21. Water from +op of casing top 22. Static Level 139 ft. below casing top	which is 29.3	un. above ground lev	el. III
Pumping Level ft. Pumping	gpm for	hours.	2/6/01
23. Earth Materials Passed Through	Depth Top(ft)	Depth Bottom(ft)	
Black Silt		2.75	
Black Silty Clay	2.75	4,25	
Dark Brown Lean Clay	4.25	6.5	
Olive Brown			1
Pour Kandal Sant	1 6.5	10.5	İ
GrayLeanClay	10.5	11.5	}
Olive Brown Slty Son	111.5	15	1
Olive Brown		<u> </u>	1
Poorly Graded Sond	112	17	1
Light Olive Brown			1
Well Graded Soud	177	28.4	1
			]
			4
Continue on back of sheet if necessary		1	1
Commission on once in necessary			
		•	

(SEE REVERSE SIDE FOR ADDITIONAL INFORMATION)

Licensed Contractor Signature

License Number

#### 1/98

#### WATER WELL SEALING FORM

DEC 2 2 2003

#### "ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 WEST JEFFERSON STREET

SPRINGFIELD, ILLINOIS 62761

RETURN ALL COPIES TO IDPH OR LOCAL HEALTH DEPARTMENT

TYPE OR PRESS FIRMLY

TYPE	E OR PRESS FIRMLY		(()			
or me	form shall be submitted to this Departm mituring well is sealed. Such wells are g requirements in the Waler Well Cons	to be sealed no				
1.	Ownership (Name of Controlling Pa	ty) (5ra	ui le	City Steel	/	
2:	Well Location: 20th of State	57.		Granite City	Madiene	

1.	Ownership (Name of Controlling Party)	, <u> </u>	<del></del>	
2.	Well Location: 20th & State St.	Granite		Madison
	Address - Lot Number	City	y /	County
	General Description: Township 3 (0)(S)	Range 9	_(E)( <del>(()</del>	Section 30
	Quarter of the Saw Qua	rter of the	W Qua	rter
•	7/12/201			
3. ′	Year Britted V/0/ //9/0/ Drilling Permit Number (and date, if known)	N. P.	anil	
4.	Drilling Permit Number (and date, if known) VV (	/10.	204	
5.		ther		<del></del>
6.	Total Depth 27.9 Diameter(i	inches)		<del> </del>
•	Formation clear of obstructionYes	_No	. 1 11 1	) // 4.4
8.	DETAILS OF PLUGGING Over drilled w/ 4.  Stilled with	y "HSA - BO	acktilled	w/ bentonie
•		from	to	ft.
	(cement or other materials)		•	
	Kind of plug Bentonite Chips-Hydrater	from 27.9		ft.
	Filled with	from	to	ft.
	Kind of plug	from	to	ft.
	Filled with	from	to	ft.
	Kind of plug	from	to	ft.
9.	CASING RECORD: Upper 2 feet of casing removed	Yes _	No A	well material removed.
10.	Date well was sealed: Month Sept Day	<u>09</u> Year	03	
11.	Licensed water well driller or other person approved by	the Department pe	rforming well	sealing.
	Messylv	Not Regul	ired fr	Monitoring Wells
	Name MER ENV. Exploration, The	Complete Licens	e Number	/
	5967 J Road	Waterloo.		IL 62298
	Address	City 834	8520	State/Zip

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

,	<i>1</i> .
1. Date Well Completed 1/18/	01
2. Use: [] Domestic [] Irrigation [] Co	mmercial [] Livestock
Monitoring [] Other	
3. Type of Well:	
a. Bored Well: Hole Diameter	in. Depth ft.
Casing Diameterin. Buriec	d Slab: [ ]Yes [ ]No
b. Driven Well: Drive Pipe Diameter	
c. Drilled Well: Well Diameter	in. Depth 33.5 ft.
Casing Diameter a in. Type	hedule 40 PV Joint Threaded
Casing Grout:	Oversized
Kind	Prill Hole(In) From(ft) To(ft)
	<del>                   </del>
Finished In: Unconsolidated [ ] Gr	•
·	16-20 sieve size
4. Well Disinfected? []Yes [MNo	
5. Date Permanent Pump Installed	Ny
6. Licensed Pump Contractor	
License Number /	<u> </u>
7. Pitless Adapter Installed? []Yes []No	· <b>A</b>
Manufacturer	Model
Attached to Casing - How? [] Screwed	
8. Type of Well Cap Cypana	loble plug
9. Tank Working Cyclegallon	
10. Pump and Equipment Disinfected? [	]Yes [ ]No
General Comments: (If dry hole, fill out lo	og & indicate how hole was sealed.)
, -	
rot to be a control of the late	1
Illinois Department of Public Health Division of Environmental Health - 525 W	Jefferson   60 # 27983
Springfield, IL 62761 2 340279	CO #+9

IMPORTANT NOTICE. This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

#### GEOLOGICAL AND WATER SURVEY WELL RECORD

11. Permit Number Date Issued				
12. Property Owner Natronal Steel Corp Well # P205				
13. Drilling Company Name Roberts En		ing, Inc.		
14. Name of Person who drilled the well			<del></del>	
15. Well Site Address Granite City 7			1121	
16. Twishp Name Name of	, ,	and ID#		
17. Subdivision Name	6x Lot	Elevation 412	Gft.	
18. Location: Cuty Madison Sect 30	7 Twisho 3		Trans.	
NW Quarter of the SE Quarte	er of the N W	***Uuarter		
19. Casing and Liner Pipe;	<del></del>	20. Screen:		
<u> </u>	rom(ft) To (ft)	Diameter -in.		
2 Sepredule 40 PVC		Length 10 ft.		
		Slot Size /O		
		Material PVC		
21. Water from top of casing	at depth / 4.44			
21. Water from for of Casing 22. Static Level 1445 ft. below casing top w	hich is 4/ Q4	in, above ground level.		
	gpm for	hours.		
23. Earth Materials Passed Through		Depth Bottom(ft)		
Park Reddish Brown				
Silty Soull	0	3.0		
Duk Gray Loun Clay & Sand	3.0	3.5		
Block Lean Clas	3,5	4.0		
Dark Brown Lean Clar	4.0	7.0		
Brown Silty Sand	7.0	8.0		
Deck Yellowood Rown				
Prach Graded Sand	8.0	23.5 23.5	RW	
7			3/6/0	
		<u> </u>		
Continue on hade of the difference	<u> </u>			
Continue on back of sheet if necessary				
	1	٠.		
Licensed Contractor Signature		License Number		
			11/95	



#### ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 WEST JEFFERSON STREET SPRINGFIELD, ILLINOIS 62761

RETURN ALL COPIES TO IDPH OR LOCAL HEALTH DEPARTMENT

#### TYPE OR PRESS FIRMLY

	orm shall be submitted to this Department or the local her mitoring well is sealed. Such wells are to be sealed not mo			
sealing	requirements in the Water Well Construction Code			
1.	Ownership (Name of Controlling Party) 67011	ite Cit	y Stee	l
2.	Well Location: 20 h = State 5t.  Address Lot Number	Granit	te City City	Madison County
4	General Description: Township 3 (N(S)  Quarter of the Sw Quan	Range 9	<del>,</del>	Section 30
13.7	Year Drilled 105/01			
4.	Drilling Permit Number (and date, if known)	EIL No.	-P209	5
5.	Type of Well: Bored Drilled Ot			
6.	Total Depth 24.2 Diameter(i	nches)	2"	
<i>)</i>	Formation clear of obstruction Yes	_No		•
8.	DETAILS OF PLUGGING over dr. iled w/ 4.  to Surface my Filled with	ly" HSA - bentoni)	Backfilled e & hyd	I from T.D.
	(cement or other materials)	from	to	ft.
	Kind of plug Bentonik Chips - Hy Quated	from 24	2 to C	16 bags
	Filled with	from	to	ft.
	Kind of plug	from	to	ft.
	Filled with	from	to	ft.
	Kind of plug	from	to	ft.
9.	CASING RECORD: Upper 2 feet of casing removed	Yes	No	ALL MATERIAL REMOVED
10.	Date well was sealed: Month SEOT Day	<u>09</u> Y	ear <u>03</u>	<b>_</b> ·
11.	Licensed water well driller or other person approved by	-	_	
	Name MIRK/ENV. Explorer tion, Tre.	NOT RE	racined for	Monitoring Wells
•		•		
	5967 J Road Address	Water la	9 <i>ci</i>	<u>IL 62298</u> State/Zip

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as purlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

| White & Pink Copies:

Ill. it. of Public Health Yellow Lopy: Well Contractor Golden Copy: Well Owner

## **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS	GEOLOGICAL AND WATER SURVEYS WELL RECORD	
HECK FUR OF WELL COMPLETION AND SENT TO	1.40 4 6.46	109-00326
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  DIVISION OF ENVIRONMENTAL HEALTH	9. Driller GARY 515K License No.	
DIVISION OF ENVIRONMENTAL HEALTH	10. Well Site Address 25th 4 t 64 Fat Louis	
ODERT OLSON 525 WEST JEFFERSON STREET	11. Property Owner DOT Well No.	·
217-333-8700 SPRINGFIELD, ILLINOIS 62761	\63 - 12. Permit No. 529 -002-99 Date Issued	01.010
	13. Location: 25 th atter 2004 - County 5T	CLAIR
	, , , , , , , , , , , , , , , , , , ,	
<ol> <li>Type of Well         <ul> <li>a. Bored</li></ul></li></ol>		
	SE4-SE4-NWY Rge. 9w	
Buried Slab: Yes No	Anna	<del> </del>
b. Driven Drive Pipe Diamin. Depthft c. Drilled Finished in Drift In Rock		<u> </u>
c. Drilled Finished in Drift In Rock (KIND) FROM (Ft.) TO (Ft.)		Show location
	Diam.(in) Kind and Weight From (ft) To (ft)	in section
d. Grout: neat lemor 5012 FACE 58"	71 71111213 7122 9 60	plat
	7	M12 stocked
	AP (A)	1
2. Well furnishes water for human consumption? Yes No		;
3. Date well drilled // 12 99	<del></del>	
4. Permanent pump installed? Yes Date No		1
ManufacturerType		•
Location	16. Screen: Diam. 16"in, Length 40 Mi, Slot Size 050	•
Capacitygpm. Depth of settingft.	17. Size hole below casing in. 18. Ground Elev.	
5. Well top sealed? Yes No Type	19. Static level $7$ ft below casing top which is $7$ ft	
6. Pitless adapter installed? YesNo	ground level. Pumping levelft, pumping gpm for	
ManufacturerModel No		Depth of
How attached to casing?	Тор	Bottom
7. Well disinfected? Yes_VNo		
8. Pump and equipment disinfected YesNo	fine sand	18
	And I T C I I C	66
	sand median to Coans 18 Lad gray clay 88	58
IMPORTANT NOTICE	had grey clay 8'8'	61
This State Agency is requesting disclosure of information	you gray cray	6/
that is necessary to accomplish the statutory purpose as	coan sand of cobbles 61	
outlined under Public Act 85-0863. Disclosiure of this	coan sand of Cobbles	100
information is mandatory. This form has been approved by		
the Forms Management Center.		1
CO CO CONTRACTOR OF THE CONTRA	Continue on separate sheet if necessary.	
R 3 2 594 PRESS FIRMLY WITH BLACK PEN OR TYPE		
Do Not Use Felt Pen	30 C Signed Date 12	8-99
IL482-0126 CO #. 29	705 Julied Date	
A C TUK TU I KU	816-511-4931	

CYPE OR PRESS FIRMLY WITH BLACK INK PEN	MERCE	Date	7/14/U5
COMPLETE RORM WITHIN 30 DAYS OF WELL COMPLETION	OBOLOGICA	_ & WATER SURVEY WELL RECO	
AND SEND TO THE APPROPRIATE HEALTH DEPARTMENT	13. Property Owner	Well # 1	
Type of Well: a. Driven Well: Casing Diamin. depth 65 ft.	14. Driller Don Beckett	License Num	ber 102-003910
b. Bored Well: Buried Slab [ ]yes ( xluo	15 Name of Delling Company	KOHNEN CONCRETE P	RODUCTS
Hole Diam In. to ft in. to ft in. to ft.	16. Permit Number 163-3	KOHNEN CONCRETE P	Date Issued 6/24/05
•	17. Date Drilling Started 6	/29/05	
c. Drilled Well: PVC casing Formation Packer set at a depth ofR.	18. Well SITE Address		
Hole Diam 10 in to 63 ft in to ft. in to ft.	19. Township NameCA	NTEEN Land ID	
Type of Groud # of Bass Groud Welcht Prom (A.) To (A.) Transe Depth (A.) BENTONITE 8	20. Subdivision Name	Lot #	
BENIONTIE 9 0 72	21. Location: a County ST	CLAIR~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
GPR coordinates are required because of	b. Township Ran	se s Section	H-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
GPS coordinates are required beginning 0  i. Drilled Well: Steel Casing Mechanically Driven [ ]yes [ ]no not required if G	PB used - d.		
Hole Diamin toftin toft.	22. Casings, Liners , & Scree	n Information	
Type of Grout H of Bass Grout Weight From (A.) To (A.) Tremle Depth (A.)			ro(fL)
	6" IPVC CER	TALOC SOLID 0+2   5	
	6" PVC SOL	VENT SCREEN 58 6	
What Colds A making Market and the cold as			
Well finished within [ N Unconsolidated Materials [ ] Bedrock		<u> </u>	
Kind of Gravet/Band Pack Chain Shard upplier # From (A.) To (A.) MUSCATINE 15 63	*(list reason for liner, type of a	pper and lower seals installed)	A to CO A
	AJ. WHEN DOM GHAY SA	NO st a depth of 14 in fl. below casing which is 4 in	IL WDII.
Well Use: [X] Domestic [] Irrigation [] Commercial [] Livestock		1. pumping gpm for	
[ ] Monitoring [ ] Other	24. Barth Materials Passed		our (fl.) To (fl.)
Date Well Completed: 6/29/05 Well Disinfected [NYes   ]No		— · <del>-</del> · · · — — — — — — — — — — — — — — — —	
Driller's estimated well yield30+gpm	CLAY DARK BR	OMN 0	5
Date Permanent Pump Installed 5/29/05.	CLAY GRAY, S	ILTY 5	1.4
Pump Capacity 25 gpm Set at (depth) 50 ft.	CLAT GHAT, S	7711	14
	SAND GRAY, F	INE 14	63
Attachment to Casing: k   Threaded     Welded     Compression  Well Cap Type & Maguiscturer: 6" PVC VENTED	JANU GAAT, F	1141	03
Well Cap Type & Maguifacturer: 6" PVC VENTED  Pressure Tank: Working Cycle 26, 4gals. Captive Air: [x] Yes [] No	1	1	
Primer System Distinfacted: k 1 Yes ( ) No			
Pump System Disinfected: k J yes L No Name of Pump Company GOULDS	<b>\</b>	{	
Pump Installer: Arnie Steinkamp Lloense # 101-005-197			
License #	·		]
Licensed Pump Contractor Signature			
		<b>)</b> .	1
		1	E
nois Department of Public Health	(		E
the first the six seasons and	Continue on 2 <sup>nd</sup> sheet, if n	ecessary)	. ,
AND OF DITABOTH CATAL - 175 AL' 1611612011			) <u>, '</u>
ringfield, IL. 62761 O 272187 DO NOT write on these lin	es (If DRY HOLB, Ill out log	& indicate now note was scated)	$\boldsymbol{\psi}$
ringfield, IL. 62761 2 372/87 DO NOT write on these lin	es (If DRY HOLE, fill out log	•	¥
PORTANT NOTICE. This State Agency is requesting disclosure of information that is necessary to complish the statutory purpose as conflicted under Public Act 83-0863. DISCLOSURE OF THIS	es (If DRY HOLE, III) out log	•	2-003910

Write Copy -III. Dipt. eff Health :
Yellow Copy -- Fontractor
Blue Copy -- Well Swite!

FILL IN ALL PERTINERT INFORMATION REQUEST. AND MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM 616, ST. & OFFICE BUILDING, SHANGFIELD, ILLINOIS, 62/06, DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. GE SURE TO PROVIDE PROPER WELL LOCATION.

# ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

٦.	Table of Men	, , , , , , , , , , , , , , , , , , , ,	1 0'	n 430
			ole Diomin	
			uried Slub: Yes	
	b. ! tivan	Drive Pip	e Diamin.	DepthIt.
	c. Lrilled	Linished	In Drift Icked	In Hock
		Gravet Po	icksq	
	d. Grout:	(Ktirin)	FROM (Fi.)	TO (F(.)
		COLUMN PROPERTY AND A STATE OF		
		1		1
		L		
2.	Distance to Ne			
	Building		Secraçe Tile Fic	
	Cuss Pool			iron)
	Privy			)
	Septic Tank			
	Leoching Pit			
3	Is we tor from t	als well to be us	ed for human con	sumption?
	Yes	No	ou 15	
4.	Date well comp	leted	ot 15	
5.	Perament Pus	p Installed? - Y	(ยล	No 🔠
	Manafactures		Туре	
	Capacity	gpm. Dop	th of setting	ft.
€.	Well Top Scale	d? Yes	No	
7.	Pittens Adouto	r Installed? - N	fer N	0.
8.	Well Disinfecte	d? Yes	YenN	
9.	Mare: pombre p	ubmittear te	sN	.0
12.63	LANCIES.			
rtr:r	MARKS:			
		•		
	P11 4.065			•
3.1,	/68	•	•	

	GEOLOGICAL AND WATER SURVEYS	WELL BE	CORD	
I Ü.	Property owner	_ Well No.	- ,1 5	
	Address			
	Driller At S Andrews Licen	re No.		•
	Permit No. 26727 Date .	nov 27	1_1213	
12.	Water from Loone Sand 13. Con		Claw	
	at depth 1.7 to 6.5 ft. Sec			•
14.		p. 4	<b> </b>	•
	Length: 5 It. Slot Rg		<del></del>	
	in the second se	-	<b>}</b>	•
15.	Casing and Liner Pips			
Dia	m (in.) What and Weight   From (2),	Fo (Fi.)	SHOW	•
	64 16 0	63	LOCATION IN SECTION PLAT	~
	16.7-		ne h m s	<del>- (</del>
		11		
	Size Hole below casing: in.			
17	Static level 12 ft. below casing top wh			•
	above ground level. Pamping level 15 1	t. when pun	ping at <u>Lo</u>	
	gpm for 12 hours.			
8.	FORMATIONS PASSED THEOGR	THICKS	ESS DEPTHOF	
	0		-3 2 7	
	O surbuiden		2 12	
	longe sont	5	1 63	
	the second secon			
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	والمراب والحار والمراف والموارث والمرافقة والمستقدم والمرافقة والمستقد والمرافعة والمرافعة والمرافعة والمرافعة			
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	HED JOHN STATE D	,	4.4	· so
IGN	VEDU	ATE	<u> </u>	S. Dor
				グクダ

14

11 ocher



well Number ..... No.1

Owned by ACTUAL NAME OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER OWNE

Date drilled..... September 17, 1964

prilled by ..... Luhr Bros. Inc. Columbia, Illinois

pepth of hole..... 116.7 ft below ground surface.

plameter of hole... 32 inches

Depth of well..... 116 ft below ground surface.

83 feet of 16-inch steel pipe. Top of casing extends

3 feet above ground surface.

36 feet of Doerr, 16-inch screen with bottom set at screen ...

116 feet below ground surface. Gravel-packed with

Merranec gravel.

Tocation of well...



Log of well.....

As classified by the driller:

0 to 15 feet. Clay

Fine sand, gray. 15 to 20 feet.

20 to 25 feet. Coarse sand with 1/4m gravel. 25 to 30 feet. Clay, silty, with Very coarse sand.

30 to 35 feet. Sand with some clay.

35 to 116.5 feet. Coarse sand with gray clay lenz.

Permanent pump has been installed. It is a Worthington, omno. turbine, powered by an Allis Chalmers, butane, engine.

The pump setting is as follows: 40 feet of 8-inch column pipe.

4 feet of 3stage, 12-inch bowl assembly.
10 feet of 8-inch tail pipe.
54 feet total length of pump setting.

static level..... 16.77 feet (when drilled as reported by the driller)

pumping level.... 28.87 feet (when drilled as reported by the driller) This level was after pumping at 1270 gpm

but the length of time pumplis not known.

well used for .....

raises fish for bait and uses the well to supply water to two ponds, one is of I acre surface and the other is 2 1/2 acre surface.
A water sample was collected January 22, 1966 for The sample expressed to State mineral, analysis. Water Survey Laboratory, Champaign, Illinois.

## RECAR WELL CONSTRUCTION REPORT

Date	12-1	1-0	(

TYPE OR PRESS FIRMLY WITH BLACK INK PEN, THIS
FORM MUST BE COMPLETED WITHIN 30 DAYS OF COMPLETION
AND SENT TO THE APPROPRIATE HEALTH DEPARTMENT

·	_	
1. Date Well Completed 7-26	-01	
2. Use: [] Domestic [] Irrigation [] C	Commercial [] Livestock	
[] Monitoring [] Other		
3. Type of Well:		
a. Bored Well: Hole Diameter_	in. Depthft.	
Casing Diameter in. Burio	ed Slab: []Yes []No	
b. Driven Well: Drive Pipe Diamete	erin. Depthft	
c. Drilled Well: Well Diameter	'6' in. Depth 90 ft.	
c. Drilled Well: Well Diameter / Casing Diameter / in. Type	PVC Joint	_
Casing Grout:	Oversized	
Kind	Drill Hole(In) From(ft) To(ft	T'
Bentonite	0 20	2
		_
Finished In: Unconsolidated [] G	Gravel Pack: [4]Yes []No	
Rock [ ] Grain Size		
4. Well Disinfected? XYes []No		
5. Date Permanent Pump Installed		
6. Licensed Pump Contractor		
License Number *	· · · · · · · · · · · · · · · · · · ·	
7. Pitless Adapter Installed? [ ]Yes Mi	No	
Manufacturer	Model	
Attached to Casing - How? [] Screw	ed On [] Welded [] Compression	n
8. Type of Well Cap PVC		
9. Tank Working Cyclegall	ons Captive Air: []Yes []No	
10. Pump and Equipment Disinfected?	[]Yes []No	
General Comments: (If dry hole, fill out	log & indicate how hole was seale	d.)
0326(89 /		
No. 338688 / Illinois Department of Public Health		/
Division of Environmental Health - 525 V	W. Jefferson ON # BACA	28
Springfield, IL 62761	CU #. Franklinkii	
	•	

IMPORTANT NOTICE. This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

GEOLOGICAL AND WATER SURVI	EY WELL RECO	RD	
11. Permit Number 529-02 0	Date Issue	ed 7-26-01	
12. Property Owner		Well #	
13. Drilling Company Name Scare		INC.	
14. Name of Person who drilled the well		ス	
15. Well Site Address			
16. Twishp Name Canteen		and ID# 02-14-200	·a
17. Subdivision Name	7	Elevation	_
18. Location: Cnty Sect Sect	Twnshp	Range	-
Quarter of the Quarter	arter of the	Quarter .	
19. Casing and Liner Pipe:		20. Screen:	
Dia (In) Type	From(ft) To (ft)	<del></del>	
16 PVC	0 40	Length 20 ft.	
	·	Slot Size .50	
		Matorial PVC	
21. Water from Sund & gravel	at depth_35	_ft. to <i>90</i> ft.	
22. Static Levelft. below casing to	•		
Pumping Levelft. Pumping_	gpm for	hours.	
23, Earth Materials Passed Through	Depth Top(ft)	Depth Bottom(ft)	
Sandy lagne	0	55	
Sund of gravel	35	90	
		ļ	
	·	<u> </u>	
			. 6
		1	it.
		\( \)	VS
		<del>                                     </del>	(
		<del>                                     </del>	•
Continue on back of sheet if necessary		·	
0.1.00- h1212	0	NOO MALES	

(SEE REVERSE SIDE FOR ADDITIONAL INFORMATION)

Licensed Contractor Signature

License Number

#### Well Construction Report E OR PRESS FIRMLY WITH BLACK INK PEN

Complete within 30 da	E OK PRESS	npletion a	nd send to	the appro	briese peelip q	<b>ɛ</b> pl.
1. Type of Well: a. I b. Bored Well: B Hole Diamete c. Drilled Well: P Hole Diameter1	uried Slab (	1 Yes	[V] No			
Type of Groul	# of Bags Grou	ut Weight	From (fL)	To (fL)	Tremie Depth (	<u>(L.)</u>
bentonite	15		0	42		
d. Drilled Well: St Hole Diameter	_in. to	.ft.;	in. lo	n.;	in. 1q	
Type of Crout	WOI DAR GIO	dt Weight	1100112	10 (12)	Tremut Depart	<del>''''</del> '
e. Well finished with	and Pack Gr					<del></del> ]
#2 gravel pac	<u>K</u> .	<del></del>	<u> </u>	42	100	{
2. Well Use: [ ] Dog [ ] Mo [ ] Mo 3. Date Well Comple Driller's estimate 4. Date Permanent Post Pump Capacity	mitoring 1/7/// ed well yield	Other  400  in the control of the co	Well Dingpm Set at (dep	sinfected (th) ptive Air:	[X] Yas [ ]	No _R. — No
11. Pump Installer:			·		#	
12.	Contractor	C:	<del></del>	License	#	
Licensed Pun	np Contractor	21Bustm.c				
Illinois Department of Division of Environme 523 W. Jesserson Street Springsield, IL 62761	mtal Health					
23644	72		1 Od	YOU WITTE OF	n these lines	•
ACCOMPLISH THE STREET OF PARTY OF THE STREET	This State Agenc urpose as outline	d under Pub	lic Act 85-0	863. DISC	LOSU'RE OF TI	115

			·Date	: <u></u>	_1	<u>′04</u>	<del></del>
GEOL	OGICAL & 1	WATER SI	JR:VEY W	ELL RECO	RD		
13. Property Owner	and The					2	
IVen Honolent	<b>.</b>				4.5	2 2222	0
15. Name of Drilling C 16. Permit No. 529-01	io. <u>Kahne</u>	n Concre	te Prod	cts, Inc.			
16. Permit No. <u>529-01</u> 17. Date Drilling Starte	<u>-2004</u>	10.1	D	ate Issued	9/26	5/04	
17. Date Drining State	77 TOV 7	704				-	
18. Well SITE address				100			
19. Township Name	anteen			Land	ID#_		
20. Subdivision Name_ 21. Location: a. Count				Lot #			
p. Township	Pange CL	Sec.	ion		. :		
				· <del>U</del> u			
с Quarter	_Quarter	Qu	arter .	`			
d. coordinates:		Site Elevat	tion	ft. (msl)			11-1-1
	4.00						
12. Casings, Liners*, & S	CIECH INIOHI	anon			1  -	<del>╎┤</del> ┤┤	╁┼┼┤╽
Diam. (in.) Material	Joint	Slot Size	From (fl.)	To (fL)			
12" PVC	solvent	solid	0+2	79	L	For Starve	y Uso
			70				
12" stainless steel	screwed	.045	79	100			
Steel							
/±\			<del></del>		:	-	
(*) (List reason for line	r, type of uppe	T and lower	scals installe	d)	<del> </del>	·	
						400	
23. Water from sand &	r graver	at a	depth of	t	t. to:	100	fl.
a. static water level!	D tr. pel	ow casing	which is	<u>24</u> in. a	above g	round	
b. pumping level is	ft. purr	iping	gpm a	yet bruubii	ng for	h	ours
24. Earth Materials Passe	ed Through			From (1	a) T	o (fl.)	
clay dark brown			<del></del>	. 0		4.	
sand brown, fine	<del></del>			4	_	15	4
sand course, small	pravel		<del> </del>	15		63	
sand, clay bands		<del></del>		63		68	
sand, gray, course				$\frac{\widetilde{68}}{68}$	<del></del>	$\frac{\widetilde{91}}{91}$	
sand, small gravel			······································	91		100	(
, , ,			<del></del>				EX.
		<del> </del>	<del></del>				<b>D</b> '
		<del></del>				{	•
	<del></del>			··	<del></del>		_ pk
		<del></del>	<del></del>	<u></u>	<del>-+L</del>		DEP
(If DRY HOLE, fill out	log & indica	ite hoù hol	le was scal	cd)			ルト
Clarence	Kohn	en Ci	3	102 0003	04		21

Clarence Kohnen CB
13 Licensed Water Well Contractor Significance

License Number

# ST. TE OF ILLINOIS DEPARTMENT OF REGISTRATION AND EDUCATION STATE WATER SURVEY DIVISON URBANA

+2.V

Use this Certificate for water whose original source is Well, Spring or Cistern
Sample of water from Town Earl St Paris County St Clau County
Report to be sent to.
(Give name and address)
Collected and sealed by
Date, day and hour of collection Wed 19th Tal. 1930 10:46 AM
Shipped by Range Express Company. Date and hour of shipment 2/19/20 #:10 AM
Collected from (State whether it is from a Well, Spring, or Cistern, or from a Reservoir or Tap, original source being Well or Spring)
Location
(Gov Street and Number; or Section, Township Range, etc.)  State proximity of privy
Feed lotdumping grounds for slops, dish water, wash water, etc.
Is the drainage from all these places toward or from the Well, Spring or Cistern?
If there is any other possible source of pollution, state it
Has the water ever been considered unsafe? Why?
If there have been any cases of typhoid fever among users of this water, state number of persons affected
Date of illnessnumber of deaths
What other diseases have been attributed to use of this water?
State general condition of health of those using water
Well.—State depth. 10 st dug, bored, driven or drilled? Sand Well.
State character and thickness of strata through which it is sunk
Fine Sud - med Course Sud - Course Sudd grave
State character of strata from which water is drawn Course Sand Trivel Is it a flowing well?
State approximate capacity and effect of dry or wet weather
With what is it walled or cased? Stalf in How is the well covered?
If cemented or cased with iron pipe, state depth to which coment of casing extends Conserved to the state of the coment of cases and control of the coment of casing extends control of the coment of
Spring.—What improvements has it?
Character of stratum from which water issues
Character of overlying strata
Approximate capacity and effect of dry or wet weather
Cistern.—What form of filter, if any, is used?
Does the cistern leak?How long since last cleaned?
Can small animals get into it at top?What care is taken in collecting and storing water?
Laboratory No. 65918 Received 2/20/30 19 M. EX 6

#### ILLINOIS STATE WATER SURVEY



#### Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:	2.0
City Bask St. Jouis County Saint	Claix_
Name of owner	
Exact identification of well	
Exact location of well	
Sample collected on (date) Solv/9,1944 (time)	:30 P.M.
after 1 hours pumping at 9 gal. pe	er min.
Tap used for sample*: at well, storage tank, dis	tribution
Depth of well feet. Diameter 3 inc	hes,
Cased tofeet. Screen fromfeet to	feet
Where possible report also:	
Log of well <u>Juvien</u>	
Date drilled Jan 20/944 Well driller	
Major repairs Nane	
Type of pump Menera Multo, Stage	
Type of pump Meyers Multo, Stage Hours or days in use per week 2 hr. pers	reck
Non-pumping level 15 feet. Pumping level 16	
expressed as: * Mean Sea level. Feet below top.	Gage reading.
Sea level elevation of top of well	
Temperature of water 56° Sample collected by	
For office use: Analysis No. 99360	
*circle the correct designation.	EX. 6
$\cdot$	× M-LASTICALS

## **Well Construction Report**

Beryman Taylor Seeds

Q,

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS	GEOLOGICAL AND WATER SURVEYS WELL RECORD	0
OF WELL COMPLETION AND SENT TO D. QD - 20 Section		
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH	9. Driller_St. Charles Drilling License No	102-002979
OF WELL COMPLETION AND SENT TO  THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH  DIVISION OF ENVIRONMENTAL HEALTH  525 WEST JEFFERSON STREET  Schauz, KEG General  SCHOOLSTON ALLINOIS COTES	o. 10. Well Site Address Box 317 St. Jacob, Ill.	62281
525 WEST JEFFERSON STREET SCHAWTZ, K & G GENERAL	11. Property Owner Bergman/Taylor Con. Well N	o. <u>"</u>
SPRINGFIELD, ILLINOIS 62761	12. Permit No. <u>Q20584</u> Date Issue	d 6-24-91
/3·	13. Location: County St.	Clair
. , 0 1	1270 to 1255 TR to 164. TL to Sec. 7.5d	
. Type of Well	Hwy 157 (Ill.) TL go past Twp. 2N	<del></del>
a. Bored Hole Diamin. Depthft	Bunkers Rd. to Forest TL to Rge. 9W	<del></del>
Buried Slab: Yes No	junction of Black Lane.	_ X  _
b. Driven Drive Pipe Diamin. Depthft	14. Water from Sand-gravel at depth 35 ft	
c. Drilled_X Finished in Drift In Rock_X	15. Casing and Liner Pipe to 111 ft	Show location
(KIND) FROM (Ft.) TO (Ft.)	Diam.(in) Kind and Weight From (ft) To (ft)	in section
d. Grout: Cuttings & 0 103		plat
Bentonite Nud		NENESW
Deficerated that	8 5/8" Stee1 0 103	102102
		TRR
. Well furnishes water for human consumption? Yes_X_ No		
Date well drilled 7-19-91		Ž,
I. Permanent pump installed? Yes X Date 10-16-91 No	1-8' screen 103 111	
Manufacturer <u>Sta-Rite</u> Type <u>Subm.</u>		
Location In well	16. Screen: Diam. 8" in, Length 8 Fit, Slot Size 3/3	2
Capacity 200 gpm. Depth of setting 73 ft.	17. Size hole below casing 8 in. 18. Ground Elev.	
6. Well top sealed? Yes X No Type Williams B69ACV	19. Static levelft below casing top which is 1	
5. Pitless adapter installed? Yes X No	ground level. Pumping levelft, pumping,gpm f	
Manufacturer Williams Model No. B69ACV	20. Earth Materials Passed Through Depth of	f Depth of
How attached to casing? <u>bolted</u>	Тор	Bottom
7. Well disinfected? Yes X No		1
3. Pump and equipment disinfected Yes <u>X</u> No	Clay	35
		1,,, 1
THRONTALLY MOTTOR	Sand-Gravel 35	111
IMPORTANT NOTICE		1
This State Agency is requesting disclosure of information		
that is necessary to accomplish the statutory purpose as		
outlined under Public Act 85-0863. Disclosiure of this		
information is mandatory. This form has been approved by	1	1
the Forms Management Center.		
PRESS FIRMLY WITH BLACK PEN OR TYPE OCT 1981	Continue on separate sheet if necessary.	
Do Not Use Felt Pen DECEIVED	OHAMIEL.	
A HOLDER AND LAND L	1 - 7 1N7 1/1 1 V J	11 29.00

IL482-0126

Hous	eltoLD SUPPLY
WELL NO.	
	County Madison 40 50 4
Section Twp. No	Range
Location (in feet from section corner)	
Owner.	Authority
Contractor	Address
Date drilled	Elev. above sea level top of well
Depth 30	· · · · · · · · · · · · · · · · · · ·
Log	
Were drill cuttings saved	Where filed
Size hole If reduced, where an	d how much
Casing record	
Distance to water when not pumping	Distance to water is
feet after pumping at	G. P. M. for hours
Reference point for above measurements	<b>9.00</b>
Type of pump Hand	Distance to cylinder
Length of cylinder	Length of suction pipe below cylinder
Length stroke	Speed
Hours used per day	Type of power
Rating of motor	Rating of pump in G. P. M.
Can following be measured: (1) Static water	r level
(2) Pumping level	(3) Discharge
Temperature of water 540F	Was water sample collected 1 icc  Effect of water on meters, hot water
Date 9/22/60	Effect of water on meters, hot water
coils etc	
Date of Analysis	Recorder Fland Ex. 6  Date 1/3 = 1/6 c
	Recorder Fy. 6
3807 -22617 12 ·	Date 2/32/62
	H REDACTION

HAD3N9W-32.69,

October 11, 1960

#### PARTIAL CHEMICAL ANALYSIS

Sample of water collected September 22, 1960 from Well No. 1 owned by the sample near East St. Louis, Illinois in Madison County. Location of well: Depth of well: 30 feet.

#### LABORATORY NO. 153310

	ppm.	epm.			ppm.	epm.
Iron(total) Fe	1.5		Chloride Nitrate Sulfate Alkalinity	Cl NCs SO <sub>4</sub> (as CaCO <sub>3</sub> )	22. 0.7 162.1 336.	.62 .01 3.37 6.72
Turbidity Color	9		Hardne as	(as CaCO <sub>a</sub> )	510.	10.20
Odor Temp.(reported)	0 54 <b>°</b> P		Total Dissol	Lved Minerals	613.	

ppm. = parts per million epm. = equivalents per million ppm. x .0583 = grains per gallon

STATE WATER SURVEY DIVISION

Laurel M. Henley Associate Chemist EX.6 3 MARCTIONS

dms/EMI

Wall No. 2	HOUSEHOLD SUPPLY
City	County Madison My Sty
#7mm	Range Range
Location (in feet from section corner)	J/4
	Authority
Contractor	Address
Date drilled	Elev. above sea level top of well
Depth 30	·
Log	
·	
Were drill cuttings saved	Where filed
	how much
Casing record	
Distance to water when not pumping	Distance to water is
feet after pumping at	G. P. M. for hours
Reference point for above measurements	
Type of pump Hand	Distance to cylinder
Length of cylinder	Length of suction pipe below cylinder
Length stroke	Speed
Hours used per day	Type of power
Rating of motor	Rating of pump in G. P. M.
Can following be measured: (1) Static water	level
(2) Pumping level	(3) Discharge
(4) Influence on other wells	
Temperature of water 544 =	_Was water sample collected 455
Date 9/22/60	Effect of water on meters, hot water
coils, etc	
Date of Analysis	Analysis No. 1533//
	Recorder Pfch: 57  Date 7/22/60
3807-22617 12	Date 7/22/60
	4 REDACTION

# MAD3N9W-32.692

#### October 11, 1960

#### PARTIAL CHEMICAL ANALYSIS

Sample of water collected September 22, 1960 from Well No. 2 owned by the following near East. St. Louis, Illinois in Madison County. Location of well:

Depth of well: 30 feet.

#### LABORATORY NO. 153311

	ppm.	epm.	·			ppm.	epm.
Iron(total) Fe	1.3		Chloride Nitrate Sulfate Alkalinity	(as	C1 NOS SO <sub>4</sub> CaCO <sub>3</sub> )	6. 0.7 118.5 276.	.17 .01 2.47 5.52
Turbidity Color	24		Hardness	(88	CaCO <sub>3</sub> )	394.	7.88
Odor Temp.(reported)	0 54 <b>°</b> F		Total Dissol	ved l	Minerals	465.	

ppm. = parts per million

epm. = equivalents per million ppm. x .0583 = grains per gallon

STATE WATER SURVEY DIVISION

Laurel M. Henley Associate Chemist EX. 6 3 REDACTIONS

LMH/kmb

#### TRUCTIONS TO DRILLERS

White Croy Its. Dept. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owne:

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 53S WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

# ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well
	a. Dug Bored Hole Diam. 30 in. Depth 9 ft.  Curb material Buried Slab: YesNo
	b. Driven Drive Pipe Diam in. Depth ft.
	c. Drilled Finished in Drift In Rock
	Tubular Gravel Packed
	d Grout:
	(KIND) FROM (FL) TO (FL)
2	Distance to Nearest:
۷.	Building 25 Ft. Seepage Tile Field
	Cess Pool Sewer (non Cast iron)
	Privy Sewer (Cast iron) Barnyard
	Leaching Pit Manure Pile
3.	Well furnishes water for human consumption? YesNo
4.	Date well completed
5.	Permanent Pump Installed? Yes Date No
	Manufacturer Type Location
	Capacitygpm. Depth of SettingFt.
6.	Well Top Sealed? Yes VNo Type
7,	Pitless Adapter Installed? YesNo
	ManufacturerModel Number
	How attached to casing?
8.	Well Disinfected? YesNo
	Pump and Equipment Disinfected? YesNo
10.	Pressure Tank Sizegal. Type
	Location
11.	
RE.	MARKS:

#### GEOLOGICAL AND WATER SURVEYS WELL RECORD

Address	Preparation of the	<u> </u>	<del></del>
Driller _ Cru St Refere	cense لما لمثلث	No	-472
Permit No. "Ital Ita	Unte		
2. Water from Formation	13. Count	Y	- BALL
at depth toft.	Sec.		
4. Screen: Dicomin.	Twp.		
Length:ft. Slot	Rge.		<del>                                      </del>
	Elev,		+-+-
5. Casing and Liner Pipe		L	
Diem, (in.) Kind and Weight	From (Ft.) 7	Γο ( <b>F</b> (.)	SHOW .
30 Concrete	130	880	TION PLAT
	1 3	~~	E NE NO
	1		
C St III 3 1	<del>4</del>		
6. Size Hole below casing:			<b>(</b> )
7. Static levelft. below cas			
above ground level. Pumping lev	ve11t. \	wnen pumpin	g at
gpm forhours.			
8. FORMATIONS PASSED THROU	СН	THICKNESS	DEPTH OF BOTTOM
	· <del></del>	<del> </del>	
		1	l
	/-	78	
	- Comy	<del> </del>	<del> </del>
		<b></b>	
		ł	j
		1	<del> </del>
		<del> </del>	
<u> </u>		1	
	<del></del>	<del> </del>	<del> </del>
CONTINUE ON SEPARATE SHEET IF	NECESSARVI	- <del></del>	<del></del>
ocinimos on sei monte shest ir	The Court of the C		
GNED - Jan &	Rollman	F 3-7	2-76
The state of the s	DA1	_C	v la
1		E.	X, 6 DACTIONS
•		4 R =	DACTION:
•		1 100	

1DPH 4.065 1/74 - KNB-1

1 1 11 1 11 11

Whit — III. — 6. of Public Health Yellow Copy — Well Centractor Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATIC EQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT-OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

GEOLOGICAL AND WATER SURVEYS WELL RECORD

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well				
	a. Dug 1	Bored Hol	le Diamin	. Depthft.	
	Curb materia	ıl Bu	ried Slab: Yes_	No	
				Depthft.	
		Finished i			
	Tubular	Gravel Pac	ckedx		
	d. Grout:	(KIND)	FROM (Ft.)	TO (Ft.)	
		Ready mix	0	30	
2	Distance to Ne	meat.			
	Building		Seepage Tile Fig	old	
	Cess Pool			iron)	
	Privy			)	
	Septic Tank				
3.					
4.				3	
5.					
	Permanent Pump Installed? Yes Datel 1/23/83 No Manufacturer Layne Type <u>Trbn</u> Location				
				60Ft.	
6.				ement	
7.		r Installed? Ye			
				oer	
	How attached to	o casing?			
8.	Well Disinfecte	d? Yes X	_ No		
9.	Pump and Equip	pment Disinfecte	d? Yes_X	No	
10.	Pressure Tank	Sizegal.	Туре		
	Location			- <u></u>	
11.	Water Sample S	ubmitted? Yes	No	<u> </u>	
	MARKS:		·		

10.	Property owner Pfizer. Inc. Address East St. Louis,	Well No Illinois	15
	Driller John Ruester	License No. 102	-002045
	Permit No. <u>109867</u>	Date10/7/	83
12.	Water from Alluvial	13. County St.	Clair
	at depth 80 to 115 ft.	Sec. 8.72	
14.	Screen: Diam. 18 in.	Twp. <u>2N</u>	
	Length: 35 ft. Slot #6	Rge. <u>9W</u>	<del>                                     </del>
15.	Casing and Liner Pipe	Elev.	

Diem. (in.)	Kind and Weight	From (Ft.) To (Ft.)		BHOW	
18	stainless	+2	80	LOCATION IN	
48	Carbon stl 0.375	0	30	400'N-1250'E SW/c	
				anderstread	

16. Size Hole below casing: 54 in.

17. Static level 30 ft. below casing top which is 2 ft. above ground level. Pumping level 43.6ft. when pumping at 1500 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Cinders	1	1
Rubble fill	5	6
Gray clay & brown clay	6	12
Fine brown sand	14	26
Gray fine to medium sand	49	75
Gray med. to coarse sand & grvl	15	90
Gray coarse sand & boulders	25.5	115.5
Shale	1	116.5

CNFD 2/6/84

1331

White Copy — III, Dept, of Put lealth Yollow Copy — Wel, Jontractor Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

You Elementis Pigment

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

	d. Grout:	(KIND)	rROM (Ft.)	TO (FL.)	Rota ¬
		<del></del>	<del> </del>	20	٦
	· .	Redi-mix	<del> </del>	<u> </u>	$\dashv$
		Concrete	<del>{</del>		┥
		L	<u> </u>	<u> </u>	
2.	Distance to Ne				
	Building		Seepage Tile Fi		
	Cess Pool		Sewer (non Cast	•	
	Privy		Sewer (Cast iron		
	Septic Tank		Barnyard		
	~		Manure Pile		<del></del>
3.		his well to be us		sumption?	
		Nox			
		leted8/14/	•		
5.	Permanent Pun	p Installed? Y	es_X	No	
	Manutacturer L	ayne Bowle	rType_Ve	rtical Tu	<u>r</u> otu
	Canacity 12	<u>00</u> gpm. Dept			. 1t.
	Well Top Seale	d? Yes X			•
7.	Well Top Seale Pitless Adapto	r Installed? Y	es N	0	· 
7.	Well Top Seale Pitless Adapto		es N	0	
7. 8.	Well Top Seale Pitless Adapto Well Disinfecte	r Installed? Y d? Yes <u>X</u>	esN	0	
7. 8.	Well Top Seale Pitless Adapto Well Disinfecte	r Installed? Y	esN	0	

10,	Propert	y owner Pfizer, In	c.	. Well No	. 13	
	Addres	s 2001 Lynch Av	enue, E	. St.	Lou	uis, Ill
	Driller	Layne-Western C	O. InCens	e No	$\frac{1}{2-1}$	.89
11	Danis	No. NF16352	D-4-	8/31/	72	<del></del>
11.	M-r 4	No. HELOSSE	13. Cou	S+	C1	air
14.	water 1	rom S & G	13. Соп	nty <u>DC</u>		. all
	at dept	th <u>68</u> to <u>114</u> ft.	Sec.	8 .70	k	0
Y 14.	Screen	: Diam. 18 in.	Twr	. 2N	· -	<del>  º   -   -  </del>
•-	Langth	: 30 ft. Slot # 6	D	9W	·	
	Lengu	1. <u>50 1</u> 1. 516t 1			-	1   1
	<i>a</i> .		Elev	/·	• 5	
15.	Casing	and Liner Pipe				4
Di	m. (In.)	Kind and Weight	From (Ft.)	To (Ft.)	Loc	SHOW CATION IN
	42	Steel 3/8"	0	20		TION PLAT
L	18	Steel Stainless	0	85		ï,
		# 7 gauge			1.0	po N.
		ole below casing: 42				_
17.		level 25 1 12 below cas				ft.
	above	ground level. Pumping le	/e137_1/t2	when pu	ımpinç	at <u>1641</u>
	gpm fo	$r_2$ hours. on tes	st	_		
18.	F	ORMATIONS PASSED THROU	GН	тнісь	CNESS	DEPTH OF BOTTOM
0 - 3 Fill					3	

GEOLOGICAL AND WATER SURVEYS WELL RECORD

8. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
0 - 3 Fill	3	3
3 - 15 Clay	12	15
15 - 68 Fine sand	53	6.8
68 - 114 Coarse sand gravel		·
& boulders	46	114
114 - 115 Fine sand	1	115

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Layne-Western Co., Inc. DATE 2/20/73

L.M. Heckman

1DPH 4

Movember 27, 1972

#### PARTIAL ANALYSIS

Sample of water collected October 9, 1972 from Well No. 1 owned by F. S. Service near East St. Louis, Illinois in St. Clair County. Location of Well: 250'S, 1200'W of the NE corner of Sec. 3.2p-T2N-FSW. Depth of Well: 100 feet.

#### LABORATORY NO. 190256

	mg/l	me/l			mg/l	nc/1
Iron(total) Fe Manganese Mn	2.6 .33		Fluoride Nitrate Chloride Sulfate Alkalinity	F NO <sub>3</sub> C1 SO <sub>4</sub> (as CaCO <sub>3</sub> )	0.2 31.8 106. 190.3 232.	.51 2.99 3.96 4.64
Turbidity Color	14		Hardness	(as CaCO <sub>3</sub> )	400.	8.00
Odor Temp. (reported)	0 55.0°F.		Total Dissolve	ed Minerals	700.	

mg/1 = milligrams per liter

me/l = milliequivalents per liter

mg/1 x .0583 = grains per gallon

ILLINOIS STATE WATER SURVEY

Laurel M. Henley Associate Chemist

Well No. 37C EN 3:0-3.29

## WELL INVENTORY SCHEDULE

	Owner's No
Location County - County - County	9ω
Section 3.22 Twp. No. 20 Range 9:0 Feet from Sec. Cor. 2005 1300 W	+ + + + + + + - h
800 1300° W	
Owner F. T. Towns Address Allowed &	- + + + + + + + + + + + + + + + + + + +
Driller 1120 4 Address	
Date drilled 1948 Method	
Depth /00' Hole record /0"	87654321
Casing record C-2: Clara convin	
Screen record 80 100 Clahusan assess	
Log Drill cuttings	Sample set no
Chief aquifer sond sond to 0	
Land surface elevTopography	be Sem land
Nonpumping level below measuring point on	at PM
above	•
Pumping levelbelow measuring point after p	umping at AM
gpm for hours on at	PM
(date)	
Measuring point (MP) for above measurements	
Airline and measuring equipment	
Pump and power	
Use of water	
Water quality	······································
Analysis No. and date	Temp
Data collected by 5: 4: 5-7- Date 10-9-2	72
Source of information 5025 Els	
Can well be used in pumping test?	Are nearby observation
wells available? Are pumping records available	
Are water level records available?	
Remarks:	

City	County Saw
Section 3.39 Twp. No.	2N Range 9W.
	<u> </u>
Owne Del. Farm Supply	Authority
	Address
Date drilled Agr. 1948	Elev. above sea level top of well 421
Depth // 0	
Log Pleistorere ever	dedisch at about 120 ft
Were drill cuttings saved	Where filed
Size hole If reduced, where an	d how much
Casing record 21/3 Squeen	10" # 40 openings Johnson
,	Distance to water is
feet after pumping at	G. P. M. forhours.
Reference point for above measurements.	
Type of pump	Distance to cylinder
Length of cylinder	Length of suction pipe below cylinder
Length stroke	Speed
Hours used per day	Type of power
Rating of motor	Rating of pump in G. P. M.
Can following be measured: (1) Static water	r level
(2) Pumping level	(3) Discharge
(4) Influence on other wells	
Temperature of water	Was water sample collected
	Effect of water on meters, hot water
coils, etc.	
Date of Analysis	
	Recorder 7.1. Nov Date 9-29-58
807-22617 12	- f 1350

Well at new factory located on south side of U.S.Route 40 on A.& S. Reilroad.

	City Collinsville III. Box 511	County Eccl 1 Still			
	Section 3 Twp. No.	SN. Range 9 W.			
	Approx. 1200 ft. W. and 200 ft. Location (in feet from section corner) T.S.	S. of the N E corner of Section 3			
	OwnerIllinois Farm Supply Co.	Authority			
122	ContractorH.L. Watson Well Drilling	Co.Address 1101 Mo. Ave, East St. Louis			
Sample was broken in house	Date drilledApril 28, 1948	Ill. Elev. above sea level top of well <u>120 ± ft. MSL</u> (from topog Map)			
, d.	Depth 100 ft.	90! to 35!F - Fine sand & gravel.			
T.	Log 1' to 12'- Clay, Gumbo.	70' " 80' Medium sand & gravel  80 " 85! - coarse sand & gravel  80 " 85! - coarse sand & gravel  e.95' " 90' - Fine sand & gravel  Where filed			
Ø	12' " 30' - Fine Sand.	70' " 80' Medium sand.			
1/2 v 1	45! " 60! Weding and open				
10 12/1	Were drill cuttings saved	Where filed gravel			
2 19 81 21.21	Size hole L 10 <sup>n</sup> If reduced, where a	and how much 10" ful Depth.			
		casing 20! Johnson Well Screen.			
		Distance to water is 18 1/5 ft.			
	feet after pumping at 500	G. P. M. for E hours.			
	Reference point for above measurements Ground Surface.				
	Type of pump turbine (test pump.	Distance to cylinder			
		Length of suction pipe below cylinder			
	Length stroke Permanent equipment	vill be installed later.			
	Hours used per day	Type of power			
•	Rating of motor	Rating of pump in G. P. M.			
	Can following be measured: (1) Static water level				
	(2) Pumping level	(3) Discharge			
	(4) Influence on other wells	Sample acilicated			
	Temperature of water 60° F.	Was water sample collectedby Mr. H.L. Watso Well Driller.			
	Date November 24, 1948	Effect of water on meters, hot water			
	coils, etc.				
		Analysis No			
<u>.</u> 	Please send comp. I copies of ana to Mr. Harold L. Watson, 1101 Mo. Avenue, Hast St. Louis.	lysis of sample  Ill Date			
	E.G.Jones, Field Engineer, S.W.S				
		L			

ell at New factory at southeast of and A. & S. Railroad.	corner of intersection of U.S. Foute 40
City	County Meritage
Section 3 Twp. No. 2N Approximately 1200 ft W. and 700 ft Location (in feet from section corner) T.2 N.,	Range 9W  Ct. S. of the N.E.Corner of Section 3,
Box 511, Collinsville, Ill.	Authority Mr. Farold Watson  Address East St. Louis, Ill.
Date drilled April 28, 1948	Elev. above sea level top of well 400 ft. MSI
Logd2' to 30 ft. Fine sand 65' 30' to 45'- Medium sand 80 45' to 60'-Medium & coarse 85	to 65' Fine sand & gravel to 80 medium sand to 85 - coarse sand & gravel to 90 - fine sand & gravel
	to 95 - Fine sand & gravel Where filed_95_to_100=_Coarse_dand & grave
Size hole $10^{\pi}$ If reduced, where and	how much 10" full depth
Casing record 80 ft of Standard black	casing - 20 ft. Johnson Well screen
Distance to water when not pumping 12!	Distance to water is 18 1/2 ft
feet after pumping at 500	G. P. M. for 2 hours.
Reference point for above measurements G	round surface
	_Distance to cylinder
Length of cylinder	Length of suction pipe below cylinderled later. Speed
Hours used per day	Type of power
Rating of motor	Rating of pump in G. P. M.
Can following be measured: (1) Static water l	evel
(2) Pumping level	_(3) Discharge
(4) Influence on other wells	Sample collected by
Temperature of water 60° F.	Sample collected by  _Was water sample collected <u>Mr. Harold Wats</u> on  Well Priller
Date Nov. 24, 1348	Effect of water on meters, hot water
coils, etc.	
Date of Analysis Please send 3 copies of analysis o Yr. Harold Watson	Analysis No
2807-22617 12	Date

+----

#### STATE OF ILLINOIS

DEPARTMENT OF REGISTRATION AND EDUCATION

RONALD E. STACKLER DIRECTOR, SPRINGFIELD

JARD OF NATURAL RESOURCES AND CONSERVATION

WILLIAM L. EVERITY

# Illinois State Water Survey

WATER RESOURCES BUILDING • MAIL: BOX 232. URBANA. ILLINOIS 61801 • AREA CODE 217
605 E. SPRINGFIELD. CHAMPAIGN PHONE 233-2210

WILLIAM C. ACKERMANN, CHIEF

Ve. L	LOG OF WAL	AIER WE	Carra M	٠	
Property owner		7	Tax.	Well N	0
Drilled by H.L. Wate,	m - (5	mores	)	Year_	1.194
Formatio	ons passed thro	ugh		Thick-	Depth of Bottom
Tumbo			4 4 4	23	2.3
Ratter much	1			12	35
7 in sand	9	-		. <i>3</i>	38
med sand +	gravel	7		17	55
Hard fine .	sand			2	57
Good sand	+ grad	el		17	74
nolog	V			24	98
	TD=	98			
		<del></del>			
	Continue on bac	k if necessa	.ry]		
Finished in	<del></del>	at	<u></u> t	o	<u> </u>
Cased with inch	•		from 0 t	n	i sa gara
				3.	
and inch		fron	<u> </u>	o	ft.
Size hole below casing	inch.	Static lev	el from suri	·	ft
rested capacity	· · · · · · · · · · · · · · · · · · ·	nër min	Temperatu	· -··	
	•				
Water lowered to	ft	in. in	<u></u>	.8	min.
ength of testh	rs	min. Scree	enn	:	
<i>30</i> 5°	~	10			
SlotDiam	Length	[Show lov	Bottom set	t at	ft.
	T-71		T T		. 0
Cownship name	E1	ev	<sup>∙</sup> ├ <del>─┤</del> ─┤	Se	<del></del>
Description of location			.}-}-	T	wp ユレ
					آل: ه
<del></del>		- <del>-</del>	· [	R	ge_ 7/2/
Signed		~ <b>-</b>			
/·5······		County			

Index:

Copy for Illinois State Water Survey

## ILLINOIS STATE WATER SURVEY

## Collection of Water Samples

Sample should be taken from a point as close to the well pump as possible and after the pump has been in operation for a sufficient length of time to remove the stagnant water.

Data needed for each sample:
City E. St. Louis County St Clair
Name of owner Niederer Jaim
Exact identification of well of a fell
Exact location of well 150 N 1180 E G SW Cov.
Sec 9 TZN R9W
Sample collected on (date) 3-31-43 at (time) 140
after 6 hours pumping at 2500 gal. per min. w.
Tap used for sample*: at well, storage tank, distribution system
Depth of well feet. Diameter 2 inches,
Cased to 9 3 feet. Screen from 92 feet to 96 feet
Where possible report also:
-Log of well
Date drilled 1937 Well driller Wahn
Hajor repairs Nme
Type of pump Fairbank Morse
Hours or days in use per week 12 hm 7 days
Non-pumping levelfeet. Pumping levelfeet
expressed as: * Mean Sea level. Feet below top. Gage reading.
Sea level elevation of top of well
Temperature of water Sample collected by
For office use: Analysis No. 957//
*circle the correct designation.

Cotober 11, 1944 aw 3.8h

SHORT PARTIAL AMALYSIS

Cample of water collected from well owned by the Quickheet Gil Go., Zest St. Louis, Illinois. Location of well: GOOl Collinsville Road. Depth of well: 82'. NW. corner, Section 3, T. 2 N., R. 9 W.

LABORATORY NO. 101,412

## Determinations Made

	Pts.per
	X1111 on
Turbidity	100
Color	ð
Odor	r.
Iron Fe	
(unfiltered)	7.5
Bulfate 30,	33.9
Ghloride Cl	3.0
Alkalinity (as CaCCa)	
Phenolphthalsin	<b>5.</b>
Methyl Crange	296.
Total Hardness (as CaCO.)	325.
Total Mineral Content	352.

lemperature 55° F.

STATE VALUE SURVEY DIVISION

T. E. Larson, Chemist

Tel.: 4B

STATE OF		_	} 55.	WATER	S WELL	DILLO	CING	A EEIF	\
County of_	Масоц	oin		**~! E!	· METT	r LUG	OING	WLLIF	WAII
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a true and o	Paul C. correct sta	Caltry tement of	the details	, being firs of the pluggi	t duly sworing of a cert	n, do depo ain well d	se and sa rilled for	y the followater and	lowing is d located
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·		-2,-00 12,		obstruction	L				<del></del>
Drilling peri				record					
Permit issue	d to S.C.	.A. Servi	ces			•			
Kind of dril	ling tools	used	Rotary	Dat	e plugging (	completed_	July	15, 198	7
				Add				Iouis,	MO
Drilling con	tractor <u>l</u>	10 Drilli	ng Co.	Add	resa St.	Louis, M	0		
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			· C	ASING REC	ORD				
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Diameter (In.)	(Ft.)	To (Ft.)	From (Ft.)	Te (Ft.)	·				
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	<u></u>	LI					<u> </u>		
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				Waste Mana				or control	of well.)
				D		Pale			
				Per	ul Cil	- del	<del></del>		
				Address P.O	. Box 637	Rast St	Louis.	Illino	18
				111 %	must	11			•
٠					re of Well Ins		vising plugg	ning of well	.)
			•	. •		•	•		
				Address R.	Do I DOX 1	77 <u>0 (1111</u>	espis.	1111018	
Subscribed a	nd sworn	to before n	ne thia	15 day	of J	uly		A.D. :	19.87
Maria .		. Qani	. 1987		Col	urs	The	w	nea_
My commissi	ion expire	340	1701						

11\_

STATE OF			} 53.	WATE	R WELL	PLUC	GING	AFF	IDAVIT
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a true and as follows:	Paul C. (	Caltry tement of	the details	being fir of the plugg	st duly swo	<b>ന</b> . ർവർല	nose and s	ov tha f	following is
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l	(Scale one inch-	-2,000 (L)		obstruction	n	· · · · · ·	· · · · · · · · · · · · · · · · · · ·		
Drilling per	mit No. ar	nd date, if	known No	record					
Permit issue	ed to S.C	.A. Serv	Loes			•			
Kind of dril	ling tools	usedR	tary	Da	te plugging	complete	d Jul	16,19	987
Property of									
Drilling con	tractor	MO Dri	lling Co.	Ad	dress St.	Louis,	MO		
	•	<b>V</b>	DE	TAILS OF I	PLUGGING			•	
Filled with.	. (C	ment or other M	leterble)	Fr	m	26,	То	_20	feet
Kind of plus	<b>7</b>	Ces	nen t	Frc	m	201	То		feet
Filled with				Fre	m		To		feet
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Filled with.									
Kind of plug	<u> </u>	<u> </u>	<del></del>	!TC	m		10		Ieet
			(	CASING RE	CORD				
1	N WELL		PULLEI						
Diameter (In.)	From (Ft)	To (Ft.)	From (Ft.)	To (FL)		RE	EMARKS		
12"	58		58						
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			(54	nature of person	0 -	_	<i>-</i>	y or com-	ior or well,
				Per	ul C.	Cal	ly		
				Address P.	0. Box 63	7 East.	St. Loui	l=, <u>111</u>	incis
				11/10.	T >				
•					ture of Well In				
					LR. 1 Box	-			
				Address		.,, 64.			
Subscribed a	and sworn	to before :	me this	16 _day	of J	ely	-(-)	A.I	). 19 <u>87</u>
V	do=!	Sept.	1987		Carl	and I	Le	w	). 19 <u>67</u> Nac
My commiss	MAIN EXPINE	<del></del>			- 1				

116

STATE OF		_	} ss	. WΔ'	TER WE	ii Pii <i>ii</i>	CCING	. AEE	IDAVIT
County of_	Macor	min_	)			lliem T. N		ACC	snd
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a true and o	correct sta	tement of	the details	, being s of the pl	first duly s ugging of a	worn, do de certain well	pose and a drilled fo	say the f r water s	ollowing is and located
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	/	_		Section	n4	Township	9 <u>v</u>	Range	2N
	CountySt. Clair								
		N <sub>I</sub> E			ame and nu		.A. #3		
	$\leftarrow$				rilled 198				
	<u> </u>				for pluggin				
			_	Total o	lepth	8' F	ormation_	No 1	record
<del></del>				How w	as depth det	ermined? A	ls reporte	d	
s w	<u>,                                    </u>	SE							<u> </u>
			_	Was w	ter of well at vell clear of				
		1 1			Yes	<del></del>			
	well successibly of Scale one inch-	na plat of section -2,000 ft.}	•		of obstruction			······································	Nature of
Drilling per	mit No. aı	nd date, if	known No	record	<b>-</b>				
Permit issue	ed toS	.C.A. Se	rvices		-				
Kind of dril	ling tools	used	Rotary		Date pluggi	ng complete	d Jul	y 16, 19	67
Property or	wner S.C	. A.			Address 18	38 N. Bro	adway St	Louis	MO
Drilling con									
					F PLUGGI				
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Kind of plug	•	essent or other I			From	20 •	To	0	feet
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Filled with_					From		То		feet
Kind of plug					From		То		feet
I	N WELL		PULLE		RECORD				
Diameter (In.)	From (Ft.)	To (FL)	From (FL)	To (Ft)		RI	EMARKS		
12"	581		581						
			(Si	gnature of p	Management	corporation h	nois	ly or contr	ol of well.)
				Per_/	out C	Cal	Ty		<del> </del>
				Address	P.O. Box	637 East	St. Loui	s, 111	nois
÷					Illian 7		pervising plu	agging of w	eil.)
				Address	R. R. 1 3	x 199B G1	llespie.	Illing	pis
Subscribed a	nd sworn	to before	me this	16	day of	July		A.D	. 19 <u>.87</u> .
My commiss	ion expire	sSept	1987		1	olan	Le P	iew	man

P135239

May 8, 1943

SHORT PARTIAL ANALYSIS

5TC 2N9W-10.69

Sample of water collected March 16, 1943 from well owned by the Walworth Co., East St. Louis, Illinois. Well No. 1. Depth of well: 122'. 200 g.p.m. after 24 hours pumping. NW 1/4 Sec. 10 T. 2 N., R. 9 W.

### LABORATORY NO. 95493

### Determinations made

		Pts.per million
Turbidity		100
Color		30
Odor		0
Iron	Fe	
(filtered)		0.0
(unfiltered)	·	7.1
Chloride	01	4.0
	CaCO <sub>2</sub> )	;;;
Phenolphthalein		0.0
Methyl Orange	_	378.0
Total Hardness(as	CaCO <sub>3</sub> )	284. 35
Total Mineral Con	tent	391.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL: AB

## Nay 4, 1943

STC 2N9W-18.8h

## SHORT PARTIAL ANALYSIS

Sample of water collected March 19, 1943 from well owned by the Walworth Co., East St. Louis, Illinois. Well No. 2 Location of well: in yard. Depth: 124 feet. 200 g.p.m. after 24 hours pumping. Location: NW 1/4 Sec. 10, T. 2 N., R. 9 W.

## LABORATORY NO. 95492

#### Determinations made

•	Pte.per million
Turbidity	90
Color	100
Odor	O
Iron Fe	•
(filtered)	0.0
(unfiltered)	3.8
Chloride Cl	5.0
Alkalinity (as CaCO <sub>2</sub> )	•
Phenolphthalein	0.0
Methyl Orange	332.0
Total Hardness (as CaCOa)	360.
Total Mineral Content	414.

STATE WATER SURVEY DIVISION

T. E. Lerson, Chemist

TEL: AB

•	
•	
	•
City	County H. Clair
	wp. No. 2 N Range 9 W
Location (in feet from section corp	per) South of Briler House
Owner C. K. Williams N. C.	Authority
	Address
Date drilled 5 -1952	Elev. above sea level top of well
Depth 116.5	
Log Pleistorene O-	116.5
Water 20-116.5	· · · · · · · · · · · · · · · · · · ·
Were drill cuttings saved	Where filed 48 Tors of \$4 - 78 grave for
	18"0-86 30' of 18" Screen #3
	ng 26-5 Distance to water is 39.5
	// 70 G. P. M. for hours.
	rements
·	Distance to cylinder
Length of cylinder	Length of suction pipe below cylinder
Length stroke	Speed
Hours used per day	Type of power
Rating of motor	Rating of pump in G. P. M.
Can following be measured: (1)	Static water level
(2) Pumping level	(3) Discharge
(4) Influence on other wells	·
Temperature of water	Was water sample collected
Date_ 1952	Effect of water on meters, hot water
coils, etc	
	Analysis No
•	Recorder J. Now
2807-22617 12 <b></b>	

City E. St. Louis	_County St Clair
Section 9.2h2 Twp. No. 2	Range 9 W
Location (in feet from section corner)	
Owner Penn R. R. Rose Lake	Authority
Contractor H.C. Watson (Mosette)	Address
Date drilled 9/4/	Elev. above sea level top of well 420
Depth //5	
Log Pleistocke oner	6: direk then 120 ft
Water 90-115	·
Were drill cuttings saved	_Where filed
Size hole If reduced, where and	
Casing record 15 of = 60 Sca	een 12 diameter Johnson
Distance to water when not pumping 2	- i/
feet after pumping at 300	_G. P. M. forhours.
Reference point for above measurements	
Type of pump	Distance to cylinder
Length of cylinder	Length of suction pipe below cylinder
Length stroke	Speed
Hours used per day	Type of power
Rating of motor	Rating of pump in G. P. M.
Can following be measured: (1) Static water l	evel
(2) Pumping level	_(3) Discharge
(4) Influence on other wells	
Temperature of water	Was water sample collected
Date	Effect of water on meters, hot water
coils, etc	
Date of Analysis	Analysis No
	Recorder J. J. J.
2807-22617 12	Date 9-29-5-8
	f135al

## Penn. R. R. Roselake Sta. E. St. Louis

Drilled by H. C. Watson (graves) Sept. 1942

Formations passed through	Thickness	Depth of Bottom
Mud	34	34
Quicksand and gravel	3	37
Quicksand	3	40
Sand and gravel	78'6"	1181611
Static level from surf. 25'	Bedurch 7	ا الله الله الله الله الله الله الله ال
Diam. 10	flam 120'	<u> </u>

Not our of records

STC2N9W-10,3d,

August 25,1942

#### SHORT PARTIAL MINERAL ANALYSIS

Sample of water collected from well No. 1 at the Walworth Company, Washington Park, St. Clair County, Illinois. Depth of well 122'. Date collected: August, 1942. Rate of pumping: 550 g.p.m.

## LABORATORY NO. 93746

## Determinations Made

		Parts per million
Turbidity		75.
Color		0
Odor		0
Iron	Fe	
(unfiltered)		4.7
Chloride	Gl	4.0
Alkalinity as C	aCOa	
Phenolphthalei	n _	Ο.
Methyl Orange		356.
Total hardness	as CaCO	343.
Total mineral c		387.

STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL/CH

11366

5TC 2N9W-10.3dz

August 25, 1942

#### SHORT PARTIAL MINERAL ANALYSIS

Sample of water collected from well No. 2 at the Walworth Company, Washington Park, St. Clair County, Illinois. Depth of well: 124. Date collected, August, 1942. Rate of pumping: 600 g.p.m.

#### LABORATORY NO. 93747

## Determinations Made

million
75
0
Ò
1
4.4
3.0
0.
380.
350.
397.

#### STATE WATER SURVEY DIVISION

T. E. Larson, Chemist

TEL/CH

PICT

Well Construction Report							
1 OR PRESS FIRMLY WITH BLACK INK PEN  Complete within 30 days of well completion and send to the appropriate health dept.							
Complete Width 30 cast of well completion and sells to the appropriate nearly copy.							
57 .							
1. Type of Well: a. Driven Well: Casing diamin. Depth57 it.							
b. Bored Well: Buried Slab ( ) Yes (X) No Hole Diameterin. tofl.;in. tofl.;in. to	۸						
c. Drilled Well: PVC casing Formation packer set at depth of	—·".						
Hole Diameter 10 in. to 55 ft.; in. to ft.; in. to	Λ.						
•							
Type of Orout # of Bags Grout Weight From (fL) To (fL) Tremie Depth (fL)							
Bentonite 0 18							
	:						
d. Drilled Well: Steel Casing Mechanically Driven [ ] Yes [ ] No							
Hole Diameterin. toft.;in. toft.;in. toft.							
Type of Oroin # of Bags Grout Weight From (fl.) To (fl.) Tremis Depth (fl.)							
e. Well finished within: [X] Unconsolidated Materials [. ] Bedrock							
f. Kind of Gravel Sand Pack Gram Size/Supplier # From (ft.) To (ft.)	•						
miscatine 18 55							
missient							
	•						
2. Well Use: [ ] Domestic [ ] Irrigation [ X] Commercial [ ] Livestock							
[ ] Monitoring [ ] Other							
3. Date Well Completed: 12/10/03 Well Disinfected [X] Yes [] No Driller's estimated well yield 25-30 gpm	•						
4. Date Permanent Pump Installed 12/10/03							
5. Pump Capacity 10 gpm Set at (depth) 46 ft.							
6. Pitiess Adapter Model and Manufacturer. Paker 100 RP							
7. Well Cap Type and Manufacturer: 6" vented PVC Paulus							
8. Pressure Tank: Working Cycle 10.3 gals. Captive Air: [X] Yes [ ] No							
9. Pump System Disinfected: [X] Yes { } No 10. Name of Pump Company:Goulds							
10000000							
11. Pump Installer. Randy Gebke License # 102003936							
Licensed Pump Contractor Signature							
·	•.						
Illinois Department of Public Health							
Division of Environmental Health 525 W. Jefferson Street	•						
Springfield, IL 62761 Co#30015	· -						
DO Not write on these lines							
MRPORT ANT NOTICE: This State Agency is requesting disclosure of information that is necessary to							
recommish the statutory purpose as outlined under Public Act 85-0863. DISCLOSURE OF THIS							
INFOR- LATION IS MANDATORY. This form has been approved by the Forms Management Center.							

	13 Propert	OEOL	OGICAL &	WATER SI	JRVEY WE HN Cabin	LL RECORI	) )	
	14. Driller	Ralph Ha	ake	A CHICAGO	AN COUNTY	License	# 092 008	432
	15. Name of	Ralph Ha	Co. Kohne	a Concret	e Product	Inc.	" - 072 - 000	100
163.	-16. Permit	No. <u>529 ()</u> rilling Starte	4 2003		Dai	e Issued	10/20/03	
	17. Date D	rilling Starte	d 12/10	/03	· · · · · · · · · · · · · · · · · · ·			
	18. Well ST	TE address						
	19. Towns	hip Name	Canteen				) #	
	20. Subdiv	ision Name_				_ Lot #		
	21. Locati	on: a. Count	у <u>ST С</u>	lair Co/	<u>Fast Side</u>	<u>Heal</u> th Di	st	
		2 N				77 ()		
	•	uarter NW			<b>DITCI</b> : .	3 H		$\coprod$
	d. coordina	iles:		Site Eleva	tion	ft. (msl)	<del>                                   </del>	+++
	22. Casings.	, Liners", & S	creen Inform	nation			1 [	$\prod$
		• • •						
	Diam. (in.)	Material	Joint	Siot Size	From (fL)	To (ft.)	For Starv	-L-L-L- ev Use
	6	PVC	solvent	solid	0+2	42	L	
	6	PVC	solvent	screen	42	52	•	•
	6	PVC	solvent	solid	52	55		
	(*)	<del>'</del>		· · · · · · · · · · · · · · · · · · ·	نياب ب	<del></del>	•	
•	(Li:	st reason for line	r, type of uppe	r and lower s	esis installed)	<del>+</del>		
,		!						
	23. Water I	from sand b	rown	at a	depth of	32 ft.	to <u>55</u>	n.
	a. static w	ater level 1	O It, bol	ow casing	which is	<u> </u>	ove ground	
	ս. բառբուլ	glevel is	tt, pun	ubtuß	gpm and	r pumping	tor1	10M2
	24. Earth M	ialerials Pass	≈d Through		<u> </u>	From (ft.)	To(IL)	
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•		wn, fine	<del></del>	<del></del>	<del></del>	28	32	
.:		wn, amall	oratiol	<del></del>	<del></del>	32	52	
• •		all gravel		PV.	<del></del>	52	55	
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						1200 6		

#### ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH **525 WEST JEFFERSON STREET** SPRINGFIELD, ILLINOIS 62761

#### WATER WELL SEALING FORM

RETURNALL COPIES TO IDPH OR LOCAL HEALTH DEPARTMENT

#### TYPE OR PRESS FIRMLY

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, boring or monitoring well is scaled. Such wells are to be scaled not more than 30 days after they are abandoned in accordance with the scaling requirements in the Water Well Construction Code: THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1.	Ownership (Name of Controlling Party)	tral State	s Battery	L198020002
2.	Well Location 3649 Collinsville Address - Lot Number	Rd.	Collinsville	Madison
	Address - Lot Number		City	County
	General Description Township 3 N (N)(S)	Range 9 L	/(E)(W)	Section 34
	SE 14 Quarter of the SW44 Q	uarter of the	EX4 Quarter	<i>5</i> 20
3.	Year Drilled 1987		/ "	ζ.
4.	Drilling Permit Number (and date, if known) 4	Jell No. G	-101 M	onitoring Well
5.	Type of Well Bored Drilled	Other		
6.	Total Depth 23.0' Diamet	er (inches)2'	<u> </u>	<del>-</del>
	Formation clear of obstructionYes	No		·
8.	DETAILS OF PLUGGING	•		· .
	Filled with Puge Consur Benronite Some (cement or other materials)	urry from 2	3 ′ to <u>a′</u>	_ft.
	Kind of plug Bentonite Chips	from	2′ to <u>oʻ</u>	ft.
•.	Filled with	from	to	_n.
•	Kind of plug	from	to	ft.
	Filled with	from	to	_ft.
	Kind of plug	from	to	ft.
9.	CASING RECORD Upper 2 feet of casing removed	X_Yes	No	
10.	Date well was sealed Month May Day		2003	
11.	Licensed water well driller or other person approved	by the Department	performing well seal	ing.
•	Michael R. Kosydor Name  G967 J Road Address	MEK EN	1 Vivonmental	Exploration Inc
	Name /	Complete Lice	nse Number	
	9967 J Road	Water loc	<u>,                                     </u>	IL/62298
	Address	City	S	tate/ZIP

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631 ८६८८६६ १

#### ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 WEST JEFFERSON STREET SPRINGFIELD, ILLINOIS 62761

#### WATER WELL SEALING FORM

RETURN ALL COPIES TO IDPH OR LOCAL HEALTH DEPARTMENT

TYPE	OR P	RESS	FII	IMS	Y

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, buring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

	المراجع والمنافع والم		WITH A TOWN OF THE TOWNS THE STREET STREET, AND ASSOCIATION OF THE STREET, CANADA CONTRACT OF
1.	Ownership (Name of Controlling Party)	L States Battery	1 6 198020002
2.	Well Location 3649 Collingville Rd.  Address - Lot Number	Collinsvill	e Madison
	_		•
	General Description Township 3N (N)(S)		<del> </del>
	SEYY Quarter of the Swy Quarter	arter of the <u>SEY</u>	_Quarter $\mathcal{F}_{Q}$
3.	Year Drilled 1987		
4.	Drilling Permit Number (and date, if known)	No. 6102 - Ma	onitoring Well
5.	Type of Well Bored Drilled O	•	<del></del>
6.	Total Depth 20.5' Diameter	(inches) 2"	
	Formation clear of obstructionY Yes	_No	
8.	DETAILS OF PLUGGING		
	Filled with Pure Geour Bentonite Slave (cement or other materials)	14 from 20.5 to	2' n.
	Kind of plug Bentonite Chips	,	
	Filled with	fromto	ft.
	Kind of plug	fromto	ft.
	Filled with	fromto	ft.
	Kind of plug	fromto	ft.
9.	CASING RECORD Upper 2 feet of casing removed		,
10.	Date well was sealed Month May Day_	16 Year 200	<u>3</u> .
11.	Licensed water well driller or other person approved by	y the Department performing	well sealing.
	Michael R. Kusydor Name 5967 J Road	MRK ENVIOONME	utal Exploration, The.
•	/ Name /	Complete License Numbe	r / / / /
	5967 J Koad	Waterloo	IL/62298
	Address	Cit <del>y</del>	State/ZIP

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

#### ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 WEST JEFFERSON STREET SPRINGFIELD, ILLINOIS 62761

#### WATER WELL SEALING FORM

RETURNALL COPIES TO IDPH OR LOCAL HEALTH DEPARTMENT

THE PROPERTY.	OB	DDECC	TOTAL AT	11.7
IYPE.	OK	PRESS	FIRMI	·Υ

This form shall be submitted to this Department or the local health department not more than 30 days after a water well; boring or monitoring well is scaled. Such wells are to be scaled not more than 30 days after they are abandoned in accordance with the scaling requirements in the Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT OF REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1.	Ownership (Name of Controlling Party)	States Battery	L19802000Z
2	<b>6</b>	! Collinsville	•
	Address - Lot Number	City	County
	General Description Township 3N (N)(S)		Section 34
	SE'4 Quarter of the SW'4 Qu	arter of the SFY4 Qua	irter 30
3.	Year Drilled	•	
4.	Drilling Permit Number (and date, if known) Well	No. 6-103 Mo.	1: toring Well
5.	Type of Well Bored Drilled O	Other	<del>,</del>
6.	Total Depth 21.7 Diameter	(inches)	
	Formation clear of obstructionYes	No	
8.	DETAILS OF PLUGGING		
	Filled with Pure Grow Bentonite Slus (cement or other materials)	14 from 21.7' to 2	ft.
	Kind of plug Bentonite Chips	•	
	Filled with	fromto	ft.
	Kind of plug	fromto	ft.
	Filled with	fromto	ft.
	Kind of plug	fromto	ft.
9.	CASING RECORD Upper 2 feet of casing removed		
10.	Date well was sealed Month Hay Day	16 Year 2003.	
11.	Licensed water well driller or other person approved h		
	Michael A. Kosfdor	MRK Environment Complete License Number Water 100	al Exploration, Inc.
	Name	Complete License Number	<i>/ / / / / / / / / /</i>
	5967 J Road	Water 100	IL/62298
	Address	City	State/ZIP

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

STATE OF			35.	WATE	R W	ELL	PLUGG	ING	AFFID	AVIT
County of_	St. CI	air	} .						741112	~***
				_	Richa	rd S	Sussen W	<u>r11 I:</u>	IBP.	and
Terry	J. Feld	mann		_, being fi	rst duly	swor	n, do depos	e and sa	y the follo	owing is
a true and o as follows:	correct sta	tement of t	the details o	of the plug	ging of a	e cert	ain well dri	lled for	water and	located
	<del>-: -</del> -			Location	in secti	ion				
				Section_	_7	_Tow	nship2	N R	ange 9W	
				County	<u>st</u>	. C1	air			
N M	<b>/</b>	NE		Well nam	e and n	umbei	<u> </u>	#7		
		_		Year drill	ed 19	73	<del></del>			
	1			Reason fo	r pluggi	ng				
	<u> </u>			Total dep	th	5ft.	Form	ation_E	and	
			-{} .	How was	depth de	eterm	ined? As r	eported_		
sw	,	SE					As r	neasured	x	
	'   T	3 6	i l				d surface_			
		<del></del>	<del>                                     </del>	Was well	clear o	of ob	structions	to botto	m before	plu <b>g-</b>
				ging?						
	well accurately of	on plat of section	1	-		ion			Na	ature of
				obstruction	)n					
Drilling per	mit No. as	nd date, if	known_ur	known						
Permit issu	ed to	iinois	Dept. of	Transp	artat	ion				
Kind of dril	ling tools	usedro	tary	D;	ate plugi	ging (	completed_	12-4-	86	
Property o	wner St	ate of	111	A	ddress	Spr	ingfield	<u>1. Il</u> .		
Drilling con	tractor_L	ubr Bro	ther Cor	D A	ddress	Col	umbia.	Il		
	•	_	DE	TAILS OF	PLUGG					
filled with	gan.	Ci essent or other K	(eterials)	Fr	70m	75 '	<del></del>	_ To	6'	feet
Kind of plug	cen:	ent		Fr	ош <u></u>	6'		_ To	3	feet
filled with.	Bar	th		Fr	om	3'		_ To	0.	feet
Cind of plug	<del></del>			Fr	om			_ To		feet
filled with_	<del></del>	<del></del>	<del></del>	Fr	om			_ To		feet
(ind of plug	<u></u>	<del></del>		Fr	om			_ To		feet
`				ASING RI	rcopn					
1	N WELL	•	PULLED		SCORD					
Diameter (In.)	From	To (Ft.)	From (Ft.)	To (Ft.)			REMA	irks		
	(Ft.)	1 7	6'							
16 <b>"</b> 12"	75 75	f	6'							
<del>^_</del>	<del>                                     </del>		1							
	<b>_</b>	L	LL							
				7114-	oia De		-£ E			
				(Blggs)	are of person	7	of Tras	of Chartoch at	क्यांग्रं व्यं प्रची	1.)
				Per U	im	1"	Rikan	un	٠	
					1/ 1/					
				Address1	12 Bot	bie	Dr. Be	levil	le, Il	
				AP.	. 0					
					(Signature	1 (1)	al party supersi	ing phaging	of well.)	
					י מים	HJ ~	n == 1 -= 1 -	<b>T</b> 1		
				Address	<u> </u>	<u> </u>	arlyle.	444		
Inhaesik - 4	nd	to before	ma stir	4 .		ת	ec.			86
Subscribed a	ma sworn	to perore	me this	da	-				A.D.	9 00
Av commiss	ion evni-	. Nov.	17 1997	,	$\mathbb{R}$	. 17	ریدکی برد	110		

7.1011111

197479

Sp SO4 Mr. NO3

## WELL INVENTORY SCHEDULE

East ST. Louis	Owner's No.
Location County 54. Clair	
Section 17 Twp. No. 2N Range 9W Feet from Sec. Cor. 2300 N. 730 E of 5W coc.	h
Owner 57372 OF XZZZZZZZ Address	
Driller Luhr Bres Fix. Address olumbia II.	
Date drilled 3-26-2/ Method Zecres rotor	<u> </u>
Depth//3.5 Hole record 42 0-115	87654321
Casing record 540.0600 540.1 [6", +3'-53.5"	
Screen record Stainless steel Mahason 16", 535	'-113.5, 80 slat
Log see bace Drill cuttings 565	Sample set no
Chief aquifer 5 + 6 from to Ot	her aquifer
Land surface elev. 4/7.98 (1) Topography 7/6+	river valles
Nonpumping level / 7./2 (below measuring point on 4-2	9-74 at 10:03 PM date)
Pumping level 25.0/ below measuring point after pu	mping at
1470 gpm for 165.33 hours on 5-6-74 at 7:	AM) PM
Measuring point (MP) for above measurements	Cacing 3 above 121.
Airline and measuring equipment	
Pump and power	
Use of water To be used in descentering 1.	righway cut along
Water quality Interstate 54	
Analysis No. and dateT	emp
Data collected by W. H. Baker Date	
Source of information - to to Dust of Transport	toton
Can well be used in pumping test?	Are nearby observation
wells available? Are pumping records available	?
Are water level records available?	
Remarks:	

#### PARTIAL ANALYSIS

Sample of water collected May 6, 1974 from a well used for dewatering a highway cut along Interstate 64 in East St. Louis, Illinois in St. Clair County. Location of well: 2300'N, 750'E of the SW corner of Section 17-T2N-R9W. Depth of well: 113-1/2 feet. Sample collected while pumping at a rate of 1470 gpm after pumping for 165.33 hours.

#### LABORATORY NO. 197479

		mg/1	me/l			mg/l	me/l
Iron(total) Manganese Ammonium	Fe Ma MH <sub>e</sub>	12 .78 tr	tr	Nitrato Chlorido Sul fato Alkalinity	NO <sub>3</sub> C1 SO <sub>4</sub> (as CaCO <sub>3</sub> )	1.8 15 229.6 274	.03 .42 4.78 5.48
Turbidity Color Odor		94 0 0		Hardness Total Dissol	(as CaCO <sub>3</sub> )	492 657	9.84

mg/l = milligrams per liter

me/l = milliequivalents per liter

mg/1 x .0583 = grains per gailon

ILLINOIS STATE WATER SURVEY

Laurel W. Healey Associate Chemist 217/333-0802

LMH/pcb

なくところ

#### INSTRUCTIONS TO DRILLERS

Whit. y — III. , i. of Public Health Yellow Copy — Well Contractor Blue Copy — Well Owner FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well					
	a. Dug	Bored Ho	ole Diami	n. Depthft.		
	Curb materi	al B	uried Slab: Yes.	No		
	b. Driven	Drive Pip	e Diamin	. Depthft.		
	c. Drilled	X Finished	in Drift X	In Rock		
	Tubular	Gravel Po	ckedX_	•		
	d. Grout:	(KIND)	FROM (Ft.)	TO (Ft.)		
			,			
		<del></del>	<del>-</del>	<del> </del>		
		<u> </u>	<del> </del>			
			<u> </u>	<u> </u>		
2.	Distance to Ne	arest:				
	Building	400 Ft.	Seepage Tile Fi	ield		
	Cess Pool		Sewer (non Cast iron)			
	Privy		Sewer (Cast Iron	n)		
	Septic Tank		Barnyard			
	Leaching Pit_		Manure Pile	<del></del>		
3.	Is water from t	his well to be us	ed for human co	nsumption?		
	Yes	No X	-	-		
4.	Date well comp	pleted April 2	29, 1980			
			res	No X		
	Manufacturer I	ayne Westerr	Type NO.	79U-6231		
	Capacity	дрт. Dep	th of setting	ft.		
6.	Well Top Seale	d? Yes X	No			
	_			10X		
	•		No			
				No X		
Э.	nder adiibie a	upilitted: Te	·	110		
3 F1	MARKS:					
	This i	s a dewater	ing well.			
		•				
	•					

#### GEOLOGICAL AND WATER SURVEYS WELL RECORD

alo	LOGICAL AND WATER	30114717	WALL II	LCU	i ib
10. Proper	ty owner 111. Dept. of	Trans.	Well No	•	12 В
Addres	s 1-70 and 1-64 Inte	erchange			
Driller	Robert Kennedy 🛪	Licens	e No	102-	83
11. Permit	No. 89898	Date 🚣	pril 2	$\frac{9}{21}$	980
	from Sands & Gravels Formation				1r
at dep	th <u>18</u> to <u>95</u> ft.	Sec.	_7	_	
14. Screen	: Diam16_in.	Twp	- 2N	·	
Lengti	n: _60_ft. Slot08_fn		<del>9W_</del> ,392_	. L.	
15. Casing	g and Liner Pipe	E 16V	,	×	
Diem. (in.)	· Kind and Weight	From (Ft.)	To (Ft.)	LO	SHOW CATION IN
16	Stainless Steel -	0	28.75	SEC	TION PLAT
	AISI Type #304				Whinis Cit
	18-8, .187" Wall				QE SE
17. Static above	lole below casing: 42 level 19 ft. below casi ground level. Pumping lev br hours.	ng top whic			
18.	FORMATIONS PASSED THROUG	Ж	THICK	NESS	DEPTH OF BOTTOM
Very Fir	ne Sand		15	1	15'
Medium 1	to Coarse Sand with	Grave1	35	1	501
Very Coa	arse Sand and Gravel		15	1	65'
Med1um (	to Coarse Sand & Gra	vel	15		80'
Fine to	Fine to Medium Sand			1	85'
Coarse Gravel - 6" Cobbles			10	1	95 '
			l		Ì
(CONTINU	JE ON SEPARATE SHEET IF	NECESSARY	<del>l</del> )	<del></del>	<del></del>
	Welliam) lan		'Va	16	1000

William Shaw

IDPH 4,065

## **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF WELL COMPLETION AND SENT TO THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 WEST JEFFERSON STREET SPRINGETEIN THINGIS 62761

we	el # Wola	4	, ILLINOIS 02/01		
١.	Type of Well a. Bored Burled Slab:		m. <u>412</u> in. De	pth <u>//4</u> ft	·
				Depthft	
	b. Driven	DEIVE FI	ed in Drift	In Rock	
					•
	1	(KIND)	FROM (Ft.)	10 (Ft.)	
	d. Grout: nea	Transt	. 7	54'	
					ı
					!
	·		·		
2.	Well furnishes	water for hu	man consumption?	YesNo_V	<u></u>
3.	Date well drill	ed Began	man consumption?	3 91 fine	46,42
4.	Permanent pump	installed?	Yes V Date 2	10 012 No	•
	Manufacturer			Type SUB	YERSIBLE .
	Location in .	well			
	Canacity 600	aom Donth	of setting	O'f	<del></del> t.
5.	Well too sealed	? Yes L	No Type	Plate	•
6	Pitlace adantar	installed?	Yes No	<del>- 1-1</del>	<del></del>
0.			Mod	lal No	
				161 110	
_	How attached to			<del></del>	<del></del>
	Well disinfecte				
8.	Pump and equipm	ent disinfed	ted Yes 🖊 No_		

#### IMPORTANT NOTICE

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosiure of this information is mandatory. This form has been approved by the Forms Management Center.

> PRESS FIRMLY WITH BLACK PEN OR TYPE Do Not Use Felt Pen

1L482-0126

GEOLOGICAL AND WATER	SURVEYS W	ELL RECORD		
9. Driller <u>64 Ry 615</u> 10. Well Site Address <u>170</u>	K 45	icense No.	102-0033	65
11. Property Owner LL OFPT	TRANC	. Well No	W -1 A	_
12. Permit No. 0 21180	n	ate Issued	10 18 91	_
13 Location:	_	ounty & X	Clair	-
and domination	07	00 777	<u></u>	<del>-</del>
X D. T	02N 5	40.02 N		4
seperare skut	DAN T	ge.09W		4
		3-12		_]
14. Water from Sand	at depth_4	O ft		7
15. Casing and Liner Pipe			Show locati	ου 
Diam, (in) Kind and Weight	From (ft)		in section	
421 STAINLESS, 250	7'	64	plat	
			•	
		-		
			other	
1 1		l l		
	<del></del>			
		ì		•
16. Screen: Diam. 16 in, Length 9 17. Size hole below casing 12 in 19. Static level 34 ft below ground level. Pumping level 9	18. Ground	ind Elev th is 7 ft	MAFt ms	1. ELOW s.
20. Earth Materials Passed Throug	h		Depth of	
		Тор	Bottom	
9147 and fine sand		0	38	
to medium fine a	rand	38	68	
coance send to		68	95	
cobbles to Boulder	0	95	114	
limestone		11.4		
Continue on separate sheet if nec	essary.			
Signed Day Sik	·	Date 1	100	12

## **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS
OF WELL COMPLETION AND SENT TO
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET

well # W.2 A

SPRINGFIELD, ILLINOIS 62761

١.	Type of well		"	117	
	a. Bored	Hole Di	am. 42 in.	Depth <u>112</u> ft	
	Buried Sla	b: Yes			
	b. Driven	Drive P	ipe Diami	n. Depth	ft
	c. Drilled <u>F</u>	Finis	hed in Drift_		· · · · · · · · · · · · · · · · · · ·
		(KIND)	FROM (Ft.)	TO (Ft.)	
	d. Grout:	Mot cent	7'	541	
	<u> </u>				
	ļ-				
	<del></del>		·		10
2.	Well furnishes	B water for h	uman consumpti	on? Yes	yo 22
			Const for 2		2,6,92
4.	·		Yes <u> </u>	211 92	
	Manufacturer_	- 00		Туре <u> </u> 5	UB WERSIBL
	Location	n well		(3)	
	Capacity	OO gpm. Dept	th of setting	69,	ft.
			No Тур		
б.			? Yes No		
	Manufacturer_			_ Model No	
		to casing?			<del></del>
	Well disinfe				
8.	Pump and equ	ipment disinfo	ected Yes_	No	
			ORTANT NOTICE		
				re of informatio	
		•	•	utory purpose as	
				losiure of this	
	information	is mandatory.	This form has	been approved b	У

PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

the Forms Management Center.

	11.	402-0	120
			/
0	res A.C	3	1/

TI 402 0176

GEOLOGICAL AND WATER SURVEYS WELL RECORD

	OLOCOGIONE AND HAIL	N 30N1E13 #	LLE NECOND		
	or GARY SISK Site Address I 70	+55 L	icense No.	02-093	<u> </u>
11 Drace	ty Owner FLL, DEP. 7	RANS.	Well No.	W-1 4	-
11. Proper	ty Owner 1 1 7 0	11.771721	werr no. ate Issued_	10 16 9	7
	No. 021179	U	ate Issued_	0 13 7	<u>-</u>
13. Locati			ounty57	CZAIK	
are	drawing	·	ec. 77		٦
224	renate sheet		wp. 2 N	<del>Ĭ</del> ═╾ <del>╏</del> ╌╏═	1
a sep		09W R	ge. of w	<del>├──</del> ┼──┼─	
		. ,		<del></del>	_
14. Water	from GAND	at depth_	60 ft	1 1 1 1	1
	g and Liner Pipe		_	Show locati	on On
				in section	
11600	Kind and Weight らナルハルトが、スタの	7	63	plat	
10	,,,,,,,	<del></del>		prac	
}	]		1.	~	
<u> </u>					_
1	1		]	Other	_
l	<u> </u>		L		
l					
Į.	1	1	]		
16. Scree 17. Size	n: Diam. 16 in, Length 5 hole below casing 42 in c level 34 ft below cas	Om, Slot	Size 07	O ft ms	۱.
aroun	d level. Pumping level	Ref ft nume	ing gom for	li house	
	Materials Passed Through			Depth of	3.
120. 24, (11	naterials lassed initial		1 1.	Bottom	
<del></del>			Тор	BOLLOW	
SILT	FINE SAND		0	37	
medi	in fine source		37	67	
coars	e sand to coll	les	67	44	
cobbl	es to Boulder		94	113	
lim	estore		113		
Continue	on separate sheet if nec	essary.			
	Lay Sid	<u> </u>	Date	1 10 9	2

t. of Public Health 111. Yellow upy: Well Contractor Golden Copy: Well Owner

## **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF WELL COMPLETION AND SENT TO THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 WEST JEFFERSON STREET SPRINGFIELD, ILLINOIS 62761

•			·		
	pe of Wel		110.		
a.		Hole Di		epthft	
		ilab: Yes			
	. Driven	<del></del>	ipe Diamin.	Depthft	
С.	. Drilled_		hed in Drift	In Rock	-
		(KIND)	FROM (Ft.)	TO (Ft.)	
d.	. Grout:	sectioned	7 (	451	
2. W	ell furnis	hes water for h	uman consumption?	Yes No	
			WY 123 92	fush 4,6	<del>ب</del> 4
4. P	ermanent p	oump installed?	Yes 💹 Date	12 12 740,	
	anufacture		· · · · · · · · · · · · · · · · · · ·	Type <u>aub</u>	_
L	ocation	in well	<del></del>		
			h of setting	5 5 1 f	t.
5. W	ell top so	ealed? Yes	No Type	Plat	
		•	Yes No No	=	
			M	odel No	_
H	ow attach	ed to casing?			
7. W	ell disini	fected? Yes	No		
8. P	ump and e	quipment disinfe	ected Yes V	0	
				•	
		I MPC	DRTANT NOTICE		
T	his State	Agency is reque	esting disclosure	of information	
ŧ	hat is ne	cessary to accom	mplish the statuto	ry purpose as	
0	utlined w	nder Public Act	85-0863. Disclos	iure of this	
1	nformation	n is mandatory.	This form has be	en approved by	

the Forms Management Center.

PRESS FIRMLY WITH BLACK PEN OR TYPE Do Not Use Felt Pen

IL482-0126

9. Driller GARY SISK	Lic	cense No.10	120033 6	5
10 16-11 CH ALL T 70 4				
11. Property Owner <u>FLL</u> , <u>PFP</u> , 12. Permit No. <u>O 2.11 9 1</u>	TRANS.	We11 No.4	N3H	_
12. Permit No. 0 2.11 8 1	Da	te Issued_	10,18 9	ī
13. Location:	ے Coi	unty 5/	CHIR	_
see Digwing		c. <u>77</u>		7
A LANGE ALL CARRIES		e. 4 W		1
_	OY OU RE	8		7
14. Water from Rand	at depth 3	56 ft 1	111	7
15. Casing and Liner Pipe			how location	on ]
Diam.(in) Kind and Weight	From (ft)	To (ft)	in section	
16" STAINLESS 1250	7 1	56	plat	
	l			,
	Ī		Other	
	1			
<del></del>		J		
16. Screen: Diam. 16 in, Length 50	<u>Z</u> in, Slot S	12050		
17. Size hole below casing 42 in. 19. Static level 27 ft below tash	18. Ground	d Elev	ft ms1	١.
19. Static level 27 ft below cash	g Top which	is _7_ft	. <del>в</del> роко- <i>В с</i>	LOI
ground level. Pumping level 3				<b>S</b> .
20. Earth Materials Passed Through	·	1	Depth of	
		Тор	Bottom	
silt in line and		0	27	
medium file sod		27	5.7	
coarse and A colle	e,	57	84	
colles & Bouldes		84	106	
dimester		106		
Continue on separate sheet if nece	ssary.	······································	·	
Signed Vision		Data 4	109	12

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Ill, C of Public Health Yellow Copy: Well Contractor Golden Copy: Well Owner

## **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS
OF WELL COMPLETION AND SENT TO
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
\$PRINGFIELD, ILLINOIS 62761

#11 A

1. Type of Well a. Bored Buried Slab		am. <u>42'</u> in.	Depth_100ft
b. Driven c. Drilled	Drive P	ipe Diami hed in Drifti	
	(KIND)	FROM (Ft.)	TO (Ft.)
d. Grout:	east const	235 '7'	35
. —			
2. Well furnishes	water for h	uman consumptio	n? Yes No

3.	Date well drilled Began Cont feb 4 92 finished 46,92
4.	Permanent pump installed? Yes Date No,
	ManufacturerType aubmerau
	Location in well
	Capacity In OU gpm. Depth of setting 5 5 ft.
5.	Well top sealed? Yes No Type Plate
6.	Pitless adapter installed? Yes No
	Manufacturer Model No
	How attached to casing?
7.	Well disinfected? Yes No

#### IMPORTANT NOTICE

8. Pump and equipment disinfected Yes

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosiure of this information is mandatory. This form has been approved by the Forms Management Center.

PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

			_				
Ŧ	ı A	o	2-	n	٦	2	<b>F</b>

	GEOLOGICAL AND WATER SURVEYS WELL RECORD							
10. Well S	er GARY 5151	55		1020036	<u> </u>			
11. Proper	ty Owner TLL, DEPT.	TRANS	Well No	, 11 A-	<del>-</del>			
12. Permit	: No. 021183	· D.	ate Issued	10 18 9	<u> </u>			
13. Locati	ion:		ounty 2	Clair	_			
see	daving	1 J	ec. <u>.77</u>		7			
sep	erate sheet		wp. 2 N ge. 9 W		-			
14. Water	from SAND	at depth			]			
	g and Liner Pipe		00 ft	Show location				
Dram. (19)	Kind and Weight STHINLESS 250	From (ft)	( (ft)	in section				
- <del>'</del>	7171146675 1270	7	50	plat	1			
	·		1	<del></del>	·			
\ <del></del>				other	ا ر			
]	]			00,00	1			
	} <del></del> ;	<del></del>	<del></del>		i			
•			ļ <sup>.</sup>		!			
17. Size I 19. Statio	n: Diam. 16 in, Length 5 in, Length 6 in, Le	18, Grou	ind Elev h is <u>7</u> f	ft ms] ft. <del>-above</del> B&	l. Lou			
20. Earth	Materials Passed Throug	27 1 C, POMP	Depth of	Depth of	• •			
		<b>,</b>	Тор	Bottom				
silth	fine sand		0	20				
medium fire and			20	50				
	se sadt Co	40	80	-				
Gob	bles to Bon	lden	80	100				
	restero		in	<u> </u>				
Continue	on separate sheet if nec	essary.						

| White & "ink Copies: Ill. . of Public Health Yellow Copy: Well Contractor Golden Copy: Well Owner

## **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF WELL COMPLETION AND SENT TO THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 WEST JEFFERSON STREET \* SPRINGFIELD, ILLINOIS 62761

١.	Type of Well  a. Bored Hole Diam. 42 in. Depth 90 ft
	Buried Slab: Yes No/
	b. Driven Drive Pipe Diamin. Depthft
	c. Drilled Finished in Drift In Rock
	(KIND) FROM (Ft.) TO (Ft.)
	d. Grout: rect cent 7 40
4.	Well furnishes water for human consumption? Yes_No_V Date well drilled Beyon Cont 12 c q2 furnish 4 4 q2  Permanent pump installed? Yes Date 212 q2 No_ Manufacturer Type Submodule  Location in
6.	Pitless adapter installed? Yes No
	Manufacturer Model No
7.	Well disinfected? Yes V No
	Pump and equipment disinfected Yes No

#### IMPORTANT NOTICE

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> PRESS FIRMLY WITH BLACK PEN OR TYPE Do Not Use Felt Pen

11	.482-	012	6	
	- ~	$\sim$	١	

	GEULUGICAL	AND WATER	C SUKAF12	WELL RECORD	,
9. Driller 10. Well Si	T GARY	415h	55	License No.	102003365
11. Propert	ty Owner FLL,	PEPT,	TRANS.	Well No	.W 15
	No. 6211			Date Issued	10,18,91
13 Locatio	on ·			County 87	10, 18, 91 Clair
14. Water	drawi nate st	er el	OTN OZN OPW at depth	Sec	
	and Liner Pip				Show location
	Kind and Weigh STAINLESS		From (ft)	To (ft) 50	in section plat
		1		}	
		<del></del>	<del></del>	1	other

			<b>*</b>		416
16.	Screen:	Diam. /C in,	Length 50 in,	Slot	Size OS O

17. Size hole below casing 42 in. 18. Ground Elev. ft msl.

19. Static level 14 ft below casing top which is 7 ft. above BELOW ground level. Pumping level 24 ft, pumping gpm for 1 hours.

20. Earth Materials Passed Through	Depth of	Depth of
! <del></del>	Тор	Bottom
silt to fire sand	0	15
medum fire sand	15	45
coarse sand to cobble	45	75
Colbles to Boulders	75	90
limestr	90	

Continue on separate sheet if necessary.

#### WATER SAMPLE DATA LABORATORY SAMPLE NUMBER: 224511

DEWATERING WELL NO. I-70 W7A SOURCE:

ILLINOIS DEPARTMENT OF TRANSPORTATION OWNER:

LOCATION: NEAR E. ST. LOUIS

COUNTY: ST. CLAIR TOWNSHIP: 2N RANGE: 9W SECTION: 7.7B

DATE COLLECTED: 08/06/91 DATE RECEIVED: 08/09/91

WELL DEPTH (Ft.): ND TEMPERATURE REPORTED (F):

TREATMENT: NONE

SAMPLE COLLECTED AFTER PUMPING WELL AT 600 TO 400 GPM FOR 128 COMMENTS:

MINUTES. TURBIDITY DUE TO PRECIPITATION OF ORIGINALLY

DISSOLVED IRON.

PARAMETER:	mg/L	me/L	PARAMETER:	mg/L	me/L
Iron (Total Fe):	12.10	=====	Fluoride (F):	0.4	0.02
Manganese (Mn):	0.79		Nitrate (as NO3):	-0.1	8E-4
Calcium (Ca):	196.0	9.78	Chloride (Cl):	98.3	2.77
Magnesium (Mg):	43.0	3.54	Sulfate (SO4):	304.0	6.33
Sodium (Na):	77.9	3.39	, ,		
Ammonium (as NH4):	10.4	0.58			
Other Parameters:	0.				
Silica (SiO2):	34.1		LMS		
Turbidity (Lab):	100 NT	.U	Alkalinity (as CaCO3):	429	8.58
Color:	-1 PC	:U	Hardness (as CaCO3):		13.32
Odor:	MUSTY		Total Diss. Minerals:	1075	
pH (in Lab):	7.2		Non-Volatile Organic C	arbon	
Specific Conductance	: ND	uS/cm	(Dissolved, as C):	ND	

CAT.	CIII	ATED	VAT	HES:

TDM =962 mg/L Cation sum = 17.28 Anion sum= 17.71 Ion diff.: (Cation - Anion)= -0.42 Ion % difference= -2.4 % TDM diff.: (Res. - Calc.)= 113 TDM % difference=

IEPA Certified Environmental Laboratory, Number 100202

Analyst: Lauren F. Sievers Assistant Chemist

<sup>=</sup> Below detection limit (i.e. -1.0 = less than 1.0 mg/L)

mg/L = milligrams per liter uS/cm = microsiemens per centimeter

me/L = milliequivalents per liter

ND = Not determined/Information not available

## WATER SAMPLE DATA LABORATORY SAMPLE NUMBER: 224512

SOURCE: DEWATERING WELL NO. 1-70 W10

OWNER: ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION: NEAR E. ST. LOUIS

COUNTY: ST. CLAIR TOWNSHIP: 2N RANGE: 9W SECTION: 7.7B

DATE COLLECTED: 08/08/91 DATE RECEIVED: 08/09/91

WELL DEPTH (Ft.): ND TEMPERATURE REPORTED (F): 61.

TREATMENT: ND

COMMENTS: SAMPLE COLLECTED AFTER PUMPING WELL AT 450 TO 300 GPM FOR 113

MINUTES. TURBIDITY DUE TO PRECIPITATION OF ORIGINALLY

DISSOLVED IRON.

PARAMETER:	mg/L	me/L	PARAMETER:	mg/L	me/L
Iron (Total Fe): Manganese (Mn):	14.20		Fluoride (F): Nitrate (as NO3):	-	0.02 8E-4
Calcium (Ca):	198.0				2.20
Magnesium (Mg):	50.4	4.15		399.0	
Sodium (Na):	65.4				
	ИD	0.00			
Other Parameters: Silica (SiO2):	0. 35.7		LMS		
Turbidity (Lab):	100 NT	U	Alkalinity (as CaCO3):	388	7.76
Color:	-1 PC	U	Hardness (as CaCO3):	701	14.02
Odor:	MUSTY		Total Diss. Minerals:	1150	
pH (in Lab):	7.3		Non-Volatile Organic (	Carbon	
Specific Conductance	: ND	us/cm	(Dissolved, as C):	ND	
CALCULATED VALUES:	on sum =	16.87			39 mg/L 18.29
Ion diff.: (Cation -		-1.42		erence=	-8.1 %
1211 arrr. (162.	<u>uaro.</u> )—		IDM & CITT	. Crelice-	- 10.1 7

<sup>- =</sup> Below detection limit (i.e. -1.0 = less than 1.0 mg/L)

mg/L = milligrams per liter uS/cm = microsiemens per centimeter

me/L = milliequivalents per liter

ND = Not determined/Information not available

IEPA Certified Environmental Laboratory, Number 100202

Analyst: Lauren F. Sievers
Assistant Chemist

White / "ink Copies:

111.

.. of Public Health

Yellow Copy: Well Contractor

Golden Copy: Well Owner

## **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF WELL COMPLETION AND SENT TO THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 WEST JEFFERSON STREET SPRINGFIELD, ILLINOIS 62761

١.	Type of Wel		40.		06 -	
		Hole Di		Depth	<u>80</u> ft	
		lab: Yes				
	b. Driven	Drive P	ipe Oiam	in.	Depth	ft
	c. Drilled_	X Finis	hed in Drift		XXXX Rock_	
		(KIND)	FROM (Ft.	)		
	d. Grout:	Cement Bentonit	₽ 8		16	
			·			
			L			
		nes water for h				
		ri]]ed <u>4/10/</u>				
4.	Permanent p	oump installed?	Yes Date	P		No <u>X</u>
	Manufacture	r	<del> </del>		Type	
	Location					
	Capacity	gpm. Dept	th of setting_			ft.
5.		aled? Yes				
		pter installed?	•			
		ır			No.	
		ed to casing?				
7		fected? Yes				
				No Y		
ο.	rump and ed	quipment disinfo	ar fad 182	110 <u>A</u>	-	

#### IMPORTANT NOTICE

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosiure of this information is mandatory. This form has been approved by the Forms Management Center.

#### PRESS FIRMLY WITH BLACK PEN OR TYPE

IL482-0126 Meners Meneral per la 5/21/2

GEOLOGICAL AND WAT	EK SUKVEYS WE	LL RECORD	
9. Driller_Kennedy	Li	cense No. 1	02000833
10. Well Site Address I-64 & I			
11. Property Owner State of I		Well No.	8A
12. Permit No. IDOT		ate Issued_	
13. Location:	C	ounty St.	Clair
IDOT Well No. 8A		ac. <u>7. 76</u>	
•		10,2N	
		ge. 2021	
	***	9 - 1	
14. Water from	_ at depth	<u>86</u> ft	
15. Casing and Liner Pipe			how location
Diam.(in) Kind and Weight	From (ft)	To (ft)	in section
16 304 Stainless	6	21	plat
l l	1		•
	<del> </del>		
	1 1	1	
Į į	1		
	30,	55	
16. Screen: Diam. <u>16</u> in, Length <u>3</u>			
17. Size hole below casingi	n. 18. Grou	nd E1ev. <u>3</u>	88 ft ms1.
19. Static level 12 ft below cas	ing top whic	h <u>is 0</u> ft	. above
ground level. Pumping level:			
20. Earth Materials Passed Throu	igh	Depth of	Depth of
 	<del></del>	Тор	Bottom
Į.		1	
Very Fine Silty Brown San	ıd	0	10
			[
Very Fine Silty Gray Sand	l	10	15
Fine Crew Sand		15	30
Fine Gray Sand		1 10	
•			

Continue on separate sheet if necessary.

Coarse Gray Sand

Very Coarse Gray Sand &

Gravel to 3" Cobbles

Date April 13, 1989 William R. Gardner, Project Engineer

30

55

86

Ill. of Public Health Yellow Copy: Well Contractor Golden Copy: Well Owner

## **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS
OF WELL COMPLETION AND SENT TO
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

1.	Type of Wel	1			3th 1
	a. Bored	Hole Di	am. <u>42</u> in.	Depth106 ft	f:
		lab: Yes			; ·
			ipe Diami	n. Depth_	<u>O</u> ft
	c. Drilled	<u>K</u> Finis	hed in Drift	In Rock	<u> </u>
		(KIND)	FROM (Ft.)		<b>7</b>
	d. Grout:	Cement & Bentoni	te 8	16	6
3.	Date well d	iri11ed <u>4/5/8</u>	numan consumptio 9		
4.	Permanent p	oump installed?	Yes Date_		No
			<del></del>	Туре_	<del></del>
	Location				
			th of setting		
			No <u>X</u> Type		
6.	Pitless ada	upter installed?	? Yes No_	<u>_X_</u>	
	Manufacture	)r		Model No	
	How attache	ed to casing?			
7.	Well disint	fected? Yes	No <u>X</u>		
8.	Pump and ed	quipment disinfo	ected Yes	No	•

#### IMPORTANT NOTICE

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# PRESS FIRMLY WITH BLACK PEN OR TYPE Do Not Use Felt Pen

11 111 1) Dept I more of minutes per les 5/31/60

#### GEOLOGICAL AND WATER SURVEYS WELL RECORD

			1,
9. Driller <u>Kennedy</u>	L	icense No. <u>1</u>	.02000833
10. Well Site Address I-64 & I-	-70		
11. Property OwnerState of I11		Well No.	9A
12. Permit No. IDOT	D	ate Issued_	
13. Location:	C	ounty <u>St. C</u>	Clair
IDOT Well No. 9A		ec.2 <i>76</i>	
•		wp. <u>:2(//)</u>	<del>├─├</del> ─┼─
· .	Ŗ	ge (212)	<del>├──├──</del>
		00	<del>   </del>
14. Water from30.45	at depth <u>1</u>		
15. Casing and Liner Pipe	to_		Show location
15. Casing and Liner Pipe Diam.(in) Kind and Weight 16 304 Stainless	From (ft)		in section
16 304 Stainless	5	42.8	plat .
	ļ į		•
		j	
<del></del>			
)	)		
16	40¹	55	
16. Screen: Diam. 16_in, Length_	20 pa, Slot	Si ze20	
17. Size hole below casingi	n. 18. Grou	nd Elev. $10$	08 ft ms1
19. Static level30,45ft below cas	ing top whic	ኪ <b>ქ</b> ѕ <u>0</u> ft	. above
ground level. Pumping level	<u>41</u> ft, pump	ing gpm for	1_ hours
20. Earth Materials Passed Through	gh	Depth of	Depth of
		Тор	Bottom
Silty Fine Sand With Clay	Lenses	0	14
Gray Silty Clay	•	14	22
Fine Brown Sand		22	25
Heavy Gray Clay		25	27
Fine Brown Sand		27	36
Gray Clay		36	41
Fine Gray Sand		41	52
Medium Gray Sand		52	56
Coarse Sand & Gravel 1"		56	66
Coarse Sand & Gravel 3" C	obbles	66	106

Gigned William R. Gardner, Project Engineer

# WATER SAMPLE DATA LABORATORY SAMPLE NUMBER: 225122

SOURCE: DEWATERING WELL NO. 25th ST. #4

OWNER: ILLINOIS DEPARTMENT OF TRANSPORATION

LOCATION: NEAR E. ST. LOUIS

COUNTY: ST. CLAIR TOWNSHIP: 2N RANGE: 9W SECTION: 17.6D

DATE COLLECTED: 11/19/91 DATE RECEIVED: 11/25/91

WELL DEPTH (Ft.): NO 90.3 TEMPERATURE REPORTED (F): ND

TREATMENT: NONE

COMMENTS: SAMPLE COLLECTED AFTER PUMPING AT RATES OF 800-600 GPM

FOR 2 HOURS 5 MINUTES. TURBIDITY DUE TO PRECIPITATION

OF ORIGINALLY DISSOLVED IRON.

PARAMETER:	mg/L	me/L	PARAMETER:	mg/L	me/L	
Iron (Total Fe):	9.04		Fluoride (F):	0.4	0.02	
Manganese (Mn):	0.56		Nitrate (as NO3):	-0.1	8E-4	
Calcium (Ca):	175.0	8.73	Chloride (Cl):	34.0	0.96	
Magnesium (Mg):	47.3	3.89	Sulfate (SO4):	353.0	7.35	
Sodium (Na):	75.0	3.26				
Ammonium (as NH4):	ND	0.00				
Silica (SiO2):	36.4		ND			
Turbidity (Lab):			Alkalinity (as CaCO3):			
Color:	-1 PC	:U	Hardness (as CaCO3):	631	12.62	
	NONE		Total Diss. Minerals:	993		
pH (in Lab):	7.4		Non-Volatile Organic (	Carbon		
Specific Conductance	: ND	uS/cr	n (Dissolved, as (	:): ND		
CALCULATED VALUES:				= 932		
			39 Anion sur	a= 16.	27	
Ion diff.: (Cation -	Anion)=	-0.2				
TDM diff.: (Res	Calc.)=	61	TDM % difference	= 6.3	ક	
			• • • • • • • • • • • • • • • • • • • •	·		
			-1.0 - less than 1.0 m			
			uS/cm = microsiemens pe	er centi	meter	
me/L = milliequivale						
ND - Not determined/Information not available						

IEPA Certified Environmental Laboratory, Number 100202

Analyst: Lauren F. Sievers

Assistant Chemist

WATER SAMPLE DATA LABORATORY SAMPLE NUMBER: 225019

DEWATERING WELL NO. I-70 #6 SOURCE:

ILLINOIS DEPARTMENT OF TRANSPORTATION OWNER:

LOCATION: NEAR E. ST. LOUIS

TOWNSHIP: 2N COUNTY: ST. CLAIR RANGE: 9W SECTION: 7.7B

DATE RECEIVED: 10/31/91 DATE COLLECTED: 10/29/91

WELL DEPTH (Ft.): NO 89.2 TEMPERATURE REPORTED (F):

TREATMENT: NONE

COMMENTS: SAMPLE COLLECTED AFTER PUMPING 600-750 GPM FOR ABOUT 3 HOURS

15 MINUTES. TURBIDITY DUE TO PRECIPITATED IRON.

PARAMETER:	mg/L	me/L	PARAMETER:	mg/L	me/L
Iron (Total Fe):	11.52		Fluoride (F):	0.3	0.02
Manganese (Mn):	0.47		Nitrate (as NO3):	-0.1	8E-4
Calcium (Ca):	158.0			81,0	
Magnesium (Mg):	40.7	3.35	Sulfate (SO4):		
Sodium (Na):			, ,		
• •	ND				
•	7.8		LFS	•	
Silica (SiO2):			LFS		
Turbidity (Lab):	100 NT	יי	Alkalinity (as CaCO3)	): 363	7.26
<u> </u>	-1 PC				
4 · .	MUSTY		Total Diss. Minerals		
			Non-Volatile Organic		
			(Dissolved, as C)		
CALCULATED VALUES:				rbm <b>–</b> 7	 183 mm
	ion sum -	13 62		ion sum=	•
Ion diff.: (Cation					
TDM diff.: (Cation of the cate			TDM % dir		
	- Carc 1=	טכ	1DM * Q11	rrerence=	• 0.3

uS/cm - microsiemens per centimeter mg/L = milligrams per liter

me/L = milliequivalents per liter

ND - Not determined/Information not available

IEPA Certified Environmental Laboratory, Number 100202

Analyst: Lauren F. Sievers Assistant Chemist

Ill. upt. of Public Health Yellow Copy: Well Contractor Golden Copy: Well Owner

## **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS
OF WELL COMPLETION AND SENT TO
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

_		
1.	a. Bored Hole Diam. 25 in. Depth_30 ft	
	Buried Slab: Yes No	
	b. Driven Drive-Pipe Diamin. Depthft	
	c. Drilled Finished in Drift In Rock	
	(KIND) FROM (Ft.) TO (Ft.)	
	d. Grout: BONTON IL STARL 17.5	
	WILM - BOURNER // Z.S	
	/	
2.	Well furnishes water for human consumption? Yes No	
3.	Date well drilled_OG/OB/93  Permanent pump installed? Yes DateNo	
4.	Permanent pump installed? Yes Date No	
	ManufacturerType	
	Location	
	Capacitygpm. Depth of settingft. Well top sealed? Yes No Type CONCRETE PAD-LOCKING	
5.	Well top sealed? Yes V No Type CONCRETE PAN-LOCKING	Port
	Pitless adapter installed? Yes No	•
	ManufacturerModel No	
	How attached to casing?	
7.	Well disinfected? Yes No	
	Pump and equipment disinfected Yes No	10
-	The same state of the same sta	7.
	IMPORTANT NOTICE	
	This State Agency is requesting disclosure of information	
	that is necessary to accomplish the statutory purpose as	

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosiure of this information is mandatory. This form has been approved by the Forms Management Center.

PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

	GEOLOGICAL AND WATE	R SURVEYS W	ELL RECORD			
0. Well S	THE Address		icense No.Q			
1. Proper	ty Owner WASTE MANAGE			G020	_	
2. Permit			ate Issued_		_	
3. Locati	on:		ounty <u>ST-Cu</u>	AIRCO II	_	
			ec <u>.5</u>	$\Box$	٦	
			wp. TZA	┠╼╂╼╂╼╂	ᅥ	
		R	ge . <u>27 W</u>	<del>├──<del></del>├──<del></del>┼──<del></del></del>	-	
	From ALLUNIAL DEPOSIT					
	g and Liner Pipe		25 ft 9	Show locati	or	
Diam.(in)	Kind and Weight	From (ft)	To (ft)	in section	i	
				plat.		
7	Sch01201E 40,30455	1974	De174	-		
_	WELL SCREEN	21.5	19.5			
2	SCHEDULE 40, 30455	WITH	10275			
Ć	WELL CASING	19.5	4.5			
16. Screen	n: Diam. 2 in, Length	Zan, Slot	Size 0.0/0	inch		
	hole below casinge 25 in				١.	
	c level $\overline{Z9}$ ft below cast					
ground	d level. Pumping level 7	7—ft, pump				
20. Earth	Materials Passed Through	jh		Depth of		
			Тор	Bottom		
SILTER			0	4		
SILT-SAL	10-CLAY WITH RUBO	गठम	4	10		
FINE SA	NO WITH SILT	10	13			
FINE AND MEDIUM-	MEDIUM SAUD TO	FINE-	13	30		
	<del></del>			·		
Continue o	on separate sheet if nec	eccary	<del></del>	·	Į.	

Ill. \_apt. of Public Health Yellow Copy: Well Contractor Golden Copy: Well Owner

## **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS
OF WELL COMPLETION AND SENT TO
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

1. Type of a. Bored	We11 Ho1e D	1am.8.25n.	Depth 31.5 t	
	d Slab: Yes		•	
	n Drive			
c. Drill	edFini	· · <del></del>		
	(KIND)	FROM (Ft.)	) TO (Ft	.)
d. Grout	SLUBER SURL	19	1/	
	DENTON IN COURT	VT //	2	
	nishes water for			
A Bormano	l drilled <u> &amp;&amp; //</u> it pump installed?	You Date	·	No.
	urer			
	)		1396_	<del></del>
Capacity	/gpm. Dep	th of setting		ft.
5. Well to	sealed? Yes_V	NoTyp	COXCRETE PAD.	-LOCKING POES
	adapter installed			
Manufac	turer		Model No	<del>-,</del>
How atta	ached to casing?			
7. Well die	infected? Yes	No		100 s
8. Pump and	i equipment disinf	ected Yes	No	• /
			•	
			<i>i</i> .	,
	IMF	PORTANT NOTICE	:	

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosiure of this information is mandatory. This form has been approved by the Forms Management Center.

PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

	GEOLOGICAL AND WATE	R SURVEYS W	ELL RECORD	
	THIT PANIS	L	icense No.	092-007052
	ty Owner WASTE MANYGE	mest of T	/ Wall No	GOZI
	No.		ate Issued	
13. Locati			aunty ST.C	LAIRCO, IL
TOT LOCAL		Š	iec. <u>5</u>	
			WP. TZN	<del> - - - -</del>
			ge 89W	
			0-6444	
14. Water	From ALLUVIAL REPOSIT	Sat depth_	<u>2.3</u> ft	
	g and Liner Pipe		3/_ft	Show location
Diam.(in)	Kind and Weight	From (ft)	To (ft)	in section
		<u> </u>		plat
2	SCHEWLE-40,30455	Dernt	OEP 17H	
2	WELL SCREEN	31	21	
2	SCHEDULE 40, 30455	12277	AAVE	
	WELL CHOING	21	3.5	
			1 1	
<u> </u>	<u> </u>	l		
16 Scree	n: Diam. $\frac{2}{2}$ in, Length	20, 5101	Sector CK	rich
17. Size	hole below casingir		ind Flav 4	06.2 ft mel
19. Stati	c level 23 ft below casi	ina ton whic	h 153.57	ft 'above
ground	d level. Pumping level?	3-ft. pum	naSaom f	or 125hours
20. Earth	Materials Passed Through	gh	Depth of	Depth of
	· · · · ·		Тор	Bottom
CLAY W	TH SILT AND SAND		Ţ	1
			$\bigcirc$	17 1
CLAY, SIL	T, SAND, CINDERS, G	CAVEL	7	0
<b>k</b>	AND KURRISH	•	'/	2.5
SILT-SA	WID-CLAY TO SILT	-WITH	0,-	
SAND	AND CLAY		19.5	15.5
FINE SA	WD ·		1,000	- 71
			15.5	31.5
L.,,		···		
Continue	on separate sheet if nec	essary.		
		r		

Ill. 4pt. of Public Health Yellow Copy: Well Contractor Golden Copy: Well Owner

## **Well Construction Report**

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THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

١.	Type of Well,	0.25	71	•
	a. Bored Hole	Diam. 🗠 🗀 in. 🛚 🛚 I	Depth <u>Ol</u> ft	i کر
	Buried Slab: Yes			•
	b. Driven Driv			
	c. Drilled Fi	inished in Drift	In Rock	
		FROM (Ft.)	TO (Ft.)	
	d. Grout: BENDALTES	EAL. 19	10	
	CERLENT - BUND	WF 10	3	
	Well furnishes water f			
3.	Date well drilled 00	106/93		
4.	Permanent pump install			
	Manufacturer		Туре	•
	Location	·····		-
	Capacitygpm.	Depth of setting	ft;	,
5.	Well top sealed? Yes_	<u>√</u> No Type <u>C</u> c	MXRUTE-FAM-LOCK	ing fact
б.	Pitless adapter instal	led? Yes No\	_	
	Manufacturer	M	lode1 No	_
	How attached to casing	?		_
7.	Well disinfected? Yes	No		
8.	Pump and equipment dis	infected Yes N	lo	10/1/20
			`:	
		IMPORTANT NOTICE	•	3
	761 - Ctoto A to	amina libration di anticama	of information	

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PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

	GEOLOGICAL AND WATE	R SURVEYS WI	ELL RECORD		
9. Drille	or H.T. BALDINI	L	icense No.C	A2-00705	3
10. Well 5	Site Address				_
11. Proper	rty Owner WASTEMANAGET	HUT OF IL	Well No.	<u>G022</u>	
	t No	D.	ate Issued_		
13. Locat	ion:	C	ounty <u>ST.Ci</u>	AUS CO. I	1
			ec. <u>5</u>		$\neg$
		T	wp. $Z2N$	<del>├──<del></del>├──<del></del></del>	-
			ge . <i>£</i> ?\√	<del>   </del>  -	4
			_		
14. Water	From ALLUVIAL DEPOSITS	at depth	(20) ft	1 <u>                                    </u>	
	g and Liner Pipe	to <u>c</u>		Show locati	or
Diam.(in)	Kind and Weight	From (ft)	To (ft)	in section	1
l				plat	
2	SCHEDULE 40, 304 SS	<i>ग्रेक्श</i> म	אודטה	·	
2	WELLSCREEN	31	211		
2	SCHEDULE 40, 30455	12174	ABOVECKINE		
<u> </u>	WELL CASING	ZĪ"	ABOVEGENE	-	
<u> </u>	1				
	ウ	70	0.0.0		
16. Scree	n: Diam. Zin, Length	∠∠In, Slot	Size E/JL/C	inches	
17. Size	hole below casing <u>8.25</u> in	ı. 18. Grou	ind Elev. 54	6.Oft ms	٦.
19. Stati	c level <b>ZO</b> ft below cash	ing top whic	h is Y fi	aboye	
	d level. Pumping level9				
20. Earth	Materials Passed Through	gh	1 '	Depth of	ł
			Тор	Bottom	1
	TH SAND AND SILT TO	27	C	6	
	5. D. U. 1987 J. H. V		1 1 /	1 160	

Continue on separate sheet if necessary.

AND SAND-INTERBENDED
FINE TO FINE-MEDIUM SAND

LAY WITH SILT AND SAND TO RUBORSH

Signed HBaldum Date 7-1-93
----------------------------

Ill. ot. of Public Health Yellow Copy: Well Contractor Golden Copy: Well Owner

# **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF WELL COMPLETION AND SENT TO THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH

		525 WE	OF ENVIRONMENTA EST JEFFERSON ST FIELD, ILLINOIS	REET			
1.			Diam. $8.65$ in.	Dept	th <u>110</u> ft		Sal II.
			ve Pipe Diam Inished in Drift		Depth In Rock		
		(KIND)			TO (Ft.		
	d. Grout:	BUNTONITE SU	AL 93		80		
		Coment-Bowi	00 BO		_3		
3.	Date well	drilled <u>05/2</u>	or human consum <u>4443 - ひ5/25/</u>	93			
4.	Manufactur	er	ed? Yes Da				
	Location		Death of settin		<del></del>	£1	<del></del>
5.	Well too s	ealed? Yes	Depth of setting  ✓ No	Type Coo	CRETE PAL	7/Lock	ING POST
6.	Pitless ad	apter instal	led? Yes	No_			
					1 No		
			7				
			No	Ma			
8.	rump and e	quipment dis	infected Yes	NO			
			IMPORTANT NOTIC	E			
		•	equesting disc1				
		~	ccomplish the s	-		S	
		•	Act 85-0863. D				
			ry. This form	nas been	approved !	by	
	the forms	Management C	enter.				

PRESS FIRMLY WITH BLACK PEN OR TYPE Do Not Use Felit Pen

	GEOLOGICAL AND WATE	R SURVEYS W	ELL RECORT	) .	
ر میDrille	- H.T.BALDUIN	L	icense No	. <u>092-00109</u>	<u>-3</u>
0   Ne11 S	ite Address				
	ty Owner WASTE MANAGENI	ENT OF IL	Well No	o.GOZ4	
	No	D	ate Issue	d	_
3. Locati		c	ounty <u>57.</u>	CLAIR GO. I	7_
7			ec. <u>5</u>		7
1		. т	WP.TZN	- <del></del>	-
		R	ge. BTW	╵┝╌╄╌╁╌╅╴	-1
14. Water	from ALLUVIAL DEPOSITS	at depth_/	10,6 ft		
	g and Liner Pipe	to_	110 ft	Show locati	on
	Kind and Weight	From (ft)	To (ft)	in section	1
			1	plat	
	SCHEDULE 40, 30455	DEPTH 110	गणम		
6	WELLSCREEN	110	<i> \0</i> 0	.•	
2	SCHEDULE 40, 30455	אונטס (י)	2.5	:	
C-	WELLCASING	100	ABOVE GUN	€"	
			!		
	2 4	0120			
16. Scree	n: Diam. $\frac{2}{2}$ in, Length	Min, Slot	Size C.C/	() inchi	
17. 31ZE I	note below_casing <u>ದ್ವಲ</u> ಾಗ	ı. IB. Grot	ind Flev.7	VC/J It ms	١.
19. Stati	c level <u>(0,8</u> ft below casi	ng top which	h is <u>حجک</u>	ft. above	
ground	d level. Pumping level/0	B- ft, pump	oing≻ <sup>o</sup> gpraf	or <u></u> hour	5.
20. Earth	Materials Passed Through	)h		f Depth of	İ
			Тор	Bottom	ĺ
CLAYO	SILT AND SAND TO :	SAND WITH	0	625	
	SILT LOCALLY LT-SAND TRACE RUBI		L'	1000	ŀ
CLAY-61	LT-SAND TRACE RUBI	aish Heif	1/2 0	- 11	ł
~ <u></u>		<del> </del>	6.5	1/.5	
FINE TO !	-INE-MEDIUM TO FI	NE-	11/5	70	
गाध	-INE-MEDIUM TO FI DIUM-COAKSE SAUM TR O GRAND ANTERADO	ACC SISE ME	7/1/00	10	ŀ
	C C/C-140-2//	C 2.	71.	110	Ì
LAYER	S , TO WHATHERED LINE	ESTONE	72:	110	L
	, , , , , , , , , , , , , , , , , , , ,				l
Continue (	on separate sheet if nec	essary.			-
•	1500 01 1			<u> </u>	

Ill. pt. of Public Health Yellow Copy: Well Contractor Golden Copy: Well Owner

## **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF WELL COMPLETION AND SENT TO THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 WEST JEFFERSON STREET SPRINGFIELD, ILLINOIS 62761

١.		Hole Dia	m.8.25 in. D	epth <u>3825</u> ft	
		b: Yes N			
			pe Diamin.		
	c. Drilled		ed in Drift		
	Γ		FROM (Ft.)	TO (Ft.)	
	d. Grout: 13	DION ENISON	26.5	19	
	Z	ZINDY FREYENIA	19	3	
	<u> </u> -		<del></del>	<u> </u>	
	<u> </u>			*.·· - · · · · · · · · · · · · · · · · ·	
2.	Well furnished	s water for hu	man consumption?	Yes 1	10_ <u>/</u>
3.	Date well dri	11ed <i>DG/<u>C</u>7</i>	14.3		
4.	Permanent pum	ip installed?	Yes Date		10
					<del></del>
	Capacity	gpm. Depti	of setting No Type <i>Co</i>		ft.
5.	Well top seal	ed? Yes_	No Type <u>Co</u>	WROTE FAD-L	CCKING 1. ST.T
			Yes No		
			Mo		
	How attached	to casing?			
7.		ted? Yes			<del></del>
			cted Yes No	)	
٠.	. sinp and equ				
		IMPO	RTANT NOTICE		

This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosiure of this information is mandatory. This form has been approved by the Forms Management Center.

> PRESS FIRMLY WITH BLACK PEN OR TYPE Do Not Use Felt Pen

	GEOLOGICAL AND WATE	R SURVEYS WI	ELL RECORD		
	r H.T. BALDWIN	L	icense No.	292-00705	<u> </u>
1. Proper	ty Owner WASTE MANGET	lient of Il	Well No	G025	_
2. Permit		D.	ate Issued		
3. Locati	on:	C	ounty <u>SCC</u>	LAIRCO. II	
			ec . <u>5</u>		٦
			WP. TZN	<del> - - -</del>	7
		. R	ge. <u>89W</u>	<del>    </del>	1
14. Water	from ALLUVIAL DEPOSIT	Sat depth_/	17.0ft		
5. Casing	and Liner Pipe	to	<u> 38.5</u> ft	Show locati	on
)iam.(in)	Kind and Weight	From (ft)	To (ft)	in section	
<del></del>				plat	
7	SCHEDULE 40, 30455	DEPTH	אוליפון		
<u>Ĺ</u>	WELL SCREEN	38.5	28.5	•	
2 2	SCHEDULE 40, 30459	122771	Achite		
<u></u>	WELL CASING	28.5	4		
•					
l6. Screen	n: Diam. Zin, Length/ nole below casing8.45ir	20, Slot	Size	Dineli	
17. Size i	nole below casing8,25in	18. Grou	ind Elev. 4	13.42 ft ms	١.
19. Static	c level <u>17.0</u> ft below cast d level. Pumping level/	ing top whic	h is #f	t. above	
ground	d level. Pumping level	70 ft, pump	ing5gpm fo	r 1.25 hours	s.
20. Earth	Materials Passed Through	gh	Depth of	Depth of	
			Тор	Bottom	
BRICK DE	ITH SILT AND SAND T BRIS AND GRAVET TO C AND GRAVET—	ANDERS, SANI		8	
SANDYC	LAY TO CLAY WITH O-INTERBODUED	SILT	8	1/	
	NO WITH SILT		1/	16	
FINE 7	TO FINE AND MEDILY	n SAND	16	38.5	

Continue on separate sheet if necessary.

11 6.

Ill. \_pt. of Public Health Yellow Copy: Well Contractor Golden Copy: Well Owner

## **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF WELL COMPLETION AND SENT TO THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 WEST JEFFERSON STREET SPRINGFIELD, ILLINOIS 62761

1.	Type of Wel	ν	025	<b>سر</b> ه
	a. Bored_ V	Hole Di	am.8.25in. De	pth <u>05</u> ft
		lab: Yes		
			ipe Diamin.	Depthft
			hed in Drift	In Rock
		(KIND)	FROM (Ft.)	TO (Ft.)
	d. Grout:	BENTON TE ISEAL	23	17
		CENTY BELLEVILLE	17	0
		C-KON I		
		L		
2.	Well furnish	hes water for, h	numan consumption?	Yes No
3.	Date well o	irilled <u> <i>00/10</i></u>	1/9.3	
4.	Permanent p	oump installed?	7/9/3 Yes Date	No
	Manufacture	er		Туре
	Capacity _	gpm. Dep	th of setting	ft.
5.	Well top so	ealed? Yes_V	No Type <u>Co∧</u>	XKETE PAO - LOCKING POST
6.	Pitless add	apter installed	? Yes No	
				del No
	How attache	ed to casing?		
		fected? Yes		
8.	Pump and e	quipment disinf	ected Yes No	
			ORTANT NOTICE	
			esting disclosure o	
		-	mplish the statutor	• • •
			85-0863. Disclosi	
	informatio	n is mandatory.	This form has bee	n approved by

PRESS FIRMLY WITH BLACK PEN OR TYPE Do Not Use Felt Pen

the Forms Management Center.

	GEOLOGICAL AND WATE	K SURVEYS WI	ELL RECORD	
	or H.T. Barawin	L	icense No.⊈	AS:00123
	ty Owner WASTE MANAGEN	PATTOE TI	Well No.	G026
12. Permit			ate Issued	
13. Locati			ounty <i>ST</i> .C	AIRCO, TI
			ec. <u>5</u>	
			WP.TZN	<del></del>
			ge RYW	
			•	
14. Water	from ALLUVIAL DEPOSITIS	at depth_/	2.3ft	
	g and Liner Pipe	to		Show location
Diam.(in)	Kind and Weight	From (ft)	To (ft)	in section
	}		1	plat
	SCHEDULE 40, 30455	אדיפט	DEPTH	
12	WELL SCREEN	35	2.5	
<u></u>	SCHEDULESO 30455	DEPTH	Advitoc	•
2	SCHEDULE 40,304SS WELL CASING	25	2.5	
16. Scree	n: Diam. Zin, Length hole below casing <u>8.25</u> in c level <u>12.3</u> ft below cas d level. Pumping level	29n, Slot	Size C.C/C	Pikchi 19907 ft ms).
19. Stati	c level/2.3ft below cas	ing top which	h 15 2-5 f	t. above
groun	d level. Pumping level	237t, pump	sing 5gpm fo	r625 hours.
20. Earth	Materials Passed Through	gh	Depth of	Depth of
			Тор	Bottom
CLAY W BRK	ITH SILT, SAND, CINDERS CK DEBRIS	S, AND	0	2
SILTW	ITH SAND AND CLAY	70 -		1/1=
SILTAN	O CLAY WITH SAND TO	D SAND WILL	42	14.5
FINE SA	WD			1
			14.5	135
ļ				
	.,-			1
<u> </u>				<b>_</b>
Continue	on separate sheet if ne	cessary.		

IL482-0126

וו. יt. of Public Health Yellow Copy: Well Contractor Golden Copy: Well Owner

## **Well Construction Report**

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THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
'DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

	•
1.	Type of Well a. Bored Hole Diam. 25in. Depth 40ft
	Buried Slab: Yes No_V
	b. Driven Drive Pipe Diamin. Depthft
	c. Drilled Finished in Drift In Rock
	(KIND)   FROM (Ft.)   TO (Ft.)
	d. Grout: Berrowits 19
	WHEN BONDONIE 19
	- GARAGE - 17
2.	Well furnishes water for human consumption? Yes No
3.	Date well drilled Oc. 107 19.3  Permanent pump installed? Yes Date No
4.	
	ManufacturerType
	Location
	Capacitygpm. Depth of settingft.
5.	Well top sealed? Yes V No Type CONNETE PAD-LOCKING POST
6.	Pitless adapter installed? Yes No
	Manufacturer Model No
	How attached to casing?
7.	Well disinfected? Yes No
8.	Pump and equipment disinfected Yes No
	IMPORTANT NOTICE
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PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

	GEOLOGICAL AND WATE	R SURVEYS W	ELL RECORD		
9. Drille	" H.T. BALDOIU	L	icense No.C	A2.00705	3
10. Well S	ite Address		_		_
11. Proper	ty Owner WASTE MANAGE	MENT OF I	Well No.	G027	_
12. Permit		D	ate Issued		_
13. Locati		C	ountySTC	AIR CO. I	7
		ς	ac .5		7
		· T	wp.724	<del></del>	-
		R	ge. 27v	<del></del>	ᅴ
					_
14. Water	from ALLUVIAL DEPOST	t depth_	1.6at		╝
15. Casing	g and Liner Pipe	to	40 ft	Show locati	on
Diam.(in)	Kind and Weight	From (ft)	To (ft)	in section	1
			. [	.plat	
	SCHOOLE 40, 304SS	USTA	DEPTH		
2	WELLSCREEN	40	30		
2	SCHEDULE 40, 30455	אקיפה	Advisor		
6	WELL CASING	30	2.5		
ļ					
16. Screen	n: Diam. Zin, Length [	290. Slot	Size C/C	incl	
17. Size I	hole below casing <u>8,25</u> in	. 18. Grou	nd Elev. 4	15-2. ft. ms	١.
19. Static	c level 76t below cast	ng top whic	h is Z.5 f	t. above	•
	d level. Pumping level/7				s .
20. Earth	Materials Passed Through	jh		Depth of	ľ
			Тор	Bottom	
CLAY WI	TH SILT, BAND, WOO'D E DEBRES, RUBBISH TH SAND AND CLAY	ZARK,	T		
BRICK	DEBRIS, RUMBISH	,	0	1/l	l
SILT WI	TH SAND AND CLAY		1 . ,	1	l
1	•		1//	13	
FINE S	SAND		1	20	
			/_3	28	
FINEA	O MED SAND		28	T	
			60	32	
SAND A	AND GRAVEL TO S	AND	32	40	1
L	· · · · · · · · · · · · · · · · · · ·			TC	l
Continue o	on separate sheet if ned	essary.		:	

Ill. upt. of Public Health Yellow Copy: Well Contractor Golden Copy: Well Owner

## **Well Construction Report**

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THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

١.	Type of Well, a. Bored Hole Diam 8.25 in. Depth 4/ ft
	Buried Slab: Yes No/
	b. Driven Drive Pipe Diamin. Depthft
	c. Drilled Finished in Drift In Rock
	(KIND) FROM (Ft.) TO (Ft.)
	d. Grout: BENTONITE 29 22.5
	CEMENT ANTIONE 22.5 3.5
3.	Well furnishes water for human consumption? YesNo
4.	Permanent pump installed? Yes Date No
	ManufacturerType
	Location
	Capacitygpm. Depth of settingft.
5.	Well top sealed? Yes V No Type COXXXITEPAD -LOCKING POST
	Pitless adapter installed? Yes No
	ManufacturerModel No
	How attached to casing?
7.	Well disinfected? Yes No
	Pump and equipment disinfected YesNo
J.	
	IMPORTANT NOTICE
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	that is necessary to accomplish the statutory purpose as
	outlined under Public Act 85-0863. Disclosiure of this
	information is mandatory. This form has been approved by

PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

	GEOLOGICAL AND WATE	R SURVEYS W	ELL RECORD			
10. Well S	ite Address ty Owner WASE MANKE			·		
12. Permit		D	ate Issued			
13. Locati		c	ountv.Sr.C	ounty ST. CLAIR CO. II		
	•••	S	ec. 5		$\overline{}$	
			wp.TZN	<del></del>		
		R	ge. KW		4	
					_	
14. Water	From ALLUVIAL DEPOSIT	≶at depth_/	9-4 ft		┙	
15. Casing	g and Liner Pipe	to	4/ ft	Show locati		
Diam.(in)	Kind and Weight	From (ft)	To (ft)	in section	1	
			1	plat		
	SCHEDULE 40, 30455	DENTA	<b>अग्रम</b>	:		
		l •∤ / l	31	•		
2 2	WELL SCREEN SCHEDULE 40,304SS WELL CASING	अन्यम् अ	1537 E			
17. Size I 19. Statio	n: Diam. <u>2</u> in, Length 1 hole below casing <u>8.25</u> in c level 12.4 ft below casi d level. Pumping level 17	n. 18. Grou ng top which 7 Yt, pump	ind Elev. 4	15-9 ft ms	٦. s.	
20. Earth	Materials Passed Through	<sub>j</sub> h	Depth of	Depth of		
			Тор	Bottom		
CHIPS T	TH BILT, SAND, GRAVEL A D GRAVEL, BAND, AND BREE	NO BRICK. LDEBKKS	O	8		
	NO SILT TO SILT-		18	13		
FINE SAN LOCA	D WITH SILT TO TRAC YLLY	CE SILT	13	4/		
					ľ	
Continue	on separate sheet if nec	essary.	<del></del>	·	*	

the Forms Management Center.

Ill. .pt. of Public Health Yellow Copy: Well Contractor Golden Copy: Well Owner

# **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS
OF WELL COMPLETION AND SENT TO
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

١.	Type of Well/
	a. Bored Hole Diam 6.25 in. Depth 34 ft
	Buried Slab: YesNo
	b. Driven Drive Pipe Diamin. Depthft
	c. Drilled Finished in Drift In Rock
	(KIND) FROM (Ft.) TO (Ft.)
	d. Grout: 820100115 22 /8
	CENIENT OF 18 44
	. /
2.	Well furnishes water for human consumption? Yes No
3.	Date well drilled 06/03/93-06/04/93
4.	Permanent pump installed? Yes Date No
	ManufacturerType
	Location
	Capacitygpm. Depth of settingft.
5.	Well top sealed? Yes No Type Conkrete Para - Lock ING-POST
6.	Pitless adapter installed? Yes No
	Manufacturer Model No
	How attached to casing?
7.	Well disinfected? Yes No
8.	Pump and equipment disinfected Yes No
	IMPORTANT NOTICE
	This State Agency is requesting disclosure of information
	that is necessary to accomplish the statutory purpose as
	outlined under Public Act 85-0863. Disclosiure of this
	information is mandatory. This form has been approved by
	the Forms Management Center.

PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

	GEOLOGICAL AND WATE	R SURVEYS W	ELL RECORD	
9. Orille	r H.T. BALDWIN	L	icense No.D	92-007063
	ite Address		-	
ll, Proper	ty Owner WASTE MALLAGE	MENT OF IL	- Well No.	G029
12. Permit		а	ate Issued	
13. Locati		C	ounty <u>\$7,</u> C	AIR CO. IL
		S	ec. <u>.5</u>	
		τ.	WP.TZN	
			90. <u>29</u> W	
		13	66.	
14. Water	From ALLUVIAL DEPOSIT	5at depth_	3€5€ft	
15. Casing	and Liner Pipe	toc	3. 14 ft	Show location
	Kind and Weight	From (ft)	To (ft)	in section
				plat
2	ScileDULE 40,30455	35	12777+	• •
2	WOLL SCREEN	35 vari	41	
	SCHEDULE 40, 3048		Are June	
6	WELL CASING	24	7	
			l	
16. Scree	n: Diam. Zin, Lengthic	Zn, Slot	Size CoCil	Oind,
17. Size 1	note below casing <u>A.25</u> in	. 18. Grou	nd Elev,#	<u>EE</u> ft ms1.
19. Statio	c level <u>13.4</u> t below casi	ing top whic	h isf	t. above
ground	d level. Pumping levell	ம்_ft, pump	ing gpm fo	r <u>1.42</u> hours.
20. Earth	Materials Passed Through	<u>jh</u>	Depth of	Depth of
			Тор	Bottom
SILT AN	W CLAY WITH FAMID		0	3
FINESA	WO WITH SILT TO S	ILT-SAND-CI	17	2/
TO SAV	1) WITH CLAY AND SIL	T. INTERDED	φ <sub>3</sub>	21
FINESA	ID TRACE SILT AND C	SCAVER	31	2./
TO SA	WWITH SILT LOCAL	ĮΥ	16	34
		- · · · · · · · · · · · · · · · · · · ·		
. <u> </u>				11
			1	
Continue o	on separate sheet if nec	essary.		

Signed 147Balalus

Ill. apt. of Public Health Yellow Copy: Well Contractor Golden Copy: Well Owner

## **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF WELL COMPLETION AND SENT TO THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 WEST JEFFERSON STREET SPRINGFIELD, ILLINOIS 62761

1.	Type of Well  a. Bored  Hole Diam 8	.5in. De	oth 109ft	
	Buried Slab: Yes No			
	b. Driven Drive Pipe Di	amin.	Depthft	
	c. Drilled Finished in		In Rock	•
	(KIND) F	ROM (Ft.)	TO (Ft.)	
	d. Grout: BOSTONITE/SCHILLY	12	84	
		4	0	
				ı •
2.	. Well furnishes water for human c	onsumption?	Yes No_V	<u>/</u>
3.	. Date well drilled <u>05/25/93</u> -	<u>- 00/02/1</u>	<u> </u>	_
4.	. Permanent pump installed? Yes _	Date	No	_
	Manufacturer		Туре	_
	Location			
	Capacitygpm. Depth of s . Well top sealed? YesNo	etting	f1	t.
			xicite 140-Loc	king met
6.	. Pitless adapter installed? Yes_			
	Manufacturer			_
	How attached to casing?			
	. Well disinfected? Yes No_			
8.	. Pump and equipment disinfected	Yes No.		
	IMPORTANT	NOTICE		
	This State Agency is requesting	disclosure o	f information	
	that is necessary to accomplish	the statutor	y purpose as	
	outlined under Public Act 85-086	3. Disclosi	ure of this	

information is mandatory. This form has been approved by the Forms Management Center.

> PRESS FIRMLY WITH BLACK PEN OR TYPE Do Not Use Felt Pen

	GEOLOGICAL AND WATE	R SURVEYS W	ELL RECORD				
10. Well S	H.T. BALLINI			092-001053			
11. Property Owner WASTEMANAGEMENT OF IL Well No. G030							
12. Permit	No	0	ate Issued				
13. Locati	on:	С	ounty 57-0	CLAIRCO, IL			
		ec. 5					
		R	ige . 891				
14. Water	From ALLUVIAL DEPOSIT	Sat depth_	11.8 ft				
	g and Liner Pipe		09 ft	Show location			
Diam.(in)	Kind and Weight	From (ft)	To (ft)	in section			
				plat			
2	SCHLOXE 40, 30455 WELL SCREEN	109	99	,			
2	Schoole 40, 30455 WELL CASING	DEPTH 99	HOUVE GRACE 3.5				
	·						
	n: Diam. Zin, Length						
17. Size 1	hole below casing	n. <b>18</b> . Grou	ınd E1ev.≝	<u>08.</u> ∫ ft ms1.			
19. Stati	c level 11.8ft below cast	ing top which	:h 1s <u>&gt;3-5</u> 1	ft. above			
groun	d level. Pumping level/ <u>/</u>	<u>√O</u> ft, pump	oing-5gpm fo	or <u>#</u> hours.			
20. Earth	Materials Passed Throug	gh		Depth of			
			Тор	Bottom			
	TH SAND TO SANDY ND WITH CLAY AND SY		0	.3			
FINE SAND WITH SILT TRACE CLAY			. 3	10.5			
	KE SILTAWO BAND TO TAND SAND TO SILT TO AND SAND TO SILT		10,5				
	FINE AND MEDIUM		18	42			
FINE-M COARSE	EDIUMSAND TO FINE SAND TO SANDAND G	-MEDIUM- RAVEL	42	109			
	on separate sheet if nec						

0 - -

White & Pink Copies:

Ill apt. of Public Health
Yellow Copy: Well Contractor
Golden Copy: Well Owner

## **Well Construction Report**

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS
OF WELL COMPLETION AND SENT TO
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

1.	. Type of Well a. Bored	Hole Diam. <u>10.5</u> in. De	pth 31.Qt
	Buried Slab: Ye	s No V	
		Drive Pipe Diamin.	Depth ft
	c. Drilled		In Rock
		D) FROM (Ft.)	TO (Ft.)
	d. Grout: 05 12		15.0
	CONNT	MENITE (38) 15.0	1.0
	Grad		
3.	. Date well drilled_	er for human consumption? 04/27/94	
4.		talled? Yes Date	
	Manufacturer		, Туре
	Location		
	Capacityg	om. Depth of setting	ft.
6.	. Pitless adapter in:	stalled? Yes No	
		Mo	del No
	How attached to car	sing?	
7.	. Well disinfected?	YesNoV	
8.	. Pump and equipment	disinfected Yes No.	· ·
		IMPORTANT NOTICE	
	This State Agency	is requesting disclosure o	finformation
	that is necessary	to accomplish the statutor	y purpose as
	outlined under Pub	11c Act 85-0863   Disclosio	ure of this

PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

information is mandatory. This form has been approved by

	GEOLOGICAL AND WATE	R SURVEYS WI	ELL RECORD	
9. Drille	ir CosoTech DOLDIOY,	TWO L	icense No.∆	45-001027
11. Proper	ty Owner WASTE MANAGEME	OUT OF TL	- Well No.	800.3
	No		ate Issued	
13. Locati		C	ounty <i>ST</i> , <	LAIR
	•	S	ec. <u>5</u>	
		Ţ	WP.TZN	<del></del>
		R	ge R9W	
			J-1	
14. Water	from ALLUVIAL DEPOSI	at depth	ft	
15. Casing	and <del>Liner Pipe</del>	to E		Show locatio
Diam.(in)	Kind and Weight SOF 40	From (ft)	To (ft)	in section
2	30455 School	30.7	20.7	plat
	<b>ECH 40</b>		4 - 4 - 4	ı <del>.</del>
2	30455 RISER	20,7	+4.364C	)E
<del></del>				
<u> </u>				
	n: Diam. Zin, Length		0.01	)e#
16. Screen	n: Diamin, Length_	≥in, Slot	Stze	NACE CT.
	note <del>below casing/0e5</del> ir			
	c levelft below casi			
ground	d level. Pumping level _ Materials Passed Throug	ft, pump		
ZU. Earth	materials Passed Inroug	jn	1 '	Depth of
5- ~- A	POWN TO GRAY CLAY	TONE	Top	Bottom
SUTA	NO SAND, TO CLAY-SIL	T-SANO	0.0	16.0
MAD O	ALCE CRAY MAYU	H AND FINE	<del></del>	
SAUD TI	SUSE GRAY MEDIUM O DARSE-MED-FWESA	DTRACE	16.0	1305
		- O(L)	1,0,0	1000
				] ]
			<del></del>	<del>  </del>
			1	15 1

Continue on separate sheet of necessary.

Signed At Baldun
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Date 5-2-94

the Forms Management Center.

### WATER WELL SEALING FORM

RETURNALL COPIES TO IDPH OR LOCAL HEALTH DEPARTMENT

### TYPE OR PRESS FIRMLY

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, boring or monitoring well is scaled. Such wells are to be scaled not more than 30 days after they are abandoned in accordance with the scaling requirements in the Water Well Construction Code THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLICHEALTH

DEPA	RIMENIANUST BENOTIFIED AT LEAST 48 HOURS	PRIORITONIEMENCE	
GC 1.	033 Ownership (Name of Controlling Party) WASTE	MANAGEMENT OF	ILINOIS
2.	Well Location MILAM R.D.F	EAST ST. LOUIS	STATE
	Address - Lot Number	City	County
	General Description · Township (S)	Range (E)(W)	Section 5
	NW Quarter of the NE Qua	arter of the <u>NW</u> Qua	arter 6 H
3.	Year Drilled 2003		,
4.	Drilling Permit Number (and date, if known)	·	
5.	Type of Well Bored Drilled O	ther	·
6.	Total Depth Diameter	(inches) 2 1/	<del></del>
	Formation clear of obstruction Yes	_No	
8.	DETAILS OF PLUGGING		1
	Filled with BENTONITE GEOUT  (cement or other materials)	fromO.Oto34.	O <sub>ft</sub>
	(cement or other materials)		
	Kind of plug	fromto	ft.
	Filled with	fromto	ft_
	Kind of plug	fromto	ft_
	Filled with	fromto	ft_
	Kind of plug	fromto	ft.
9.	CASING RECORD Upper 2 feet of casing removed		
10.	Date well was sealed Month Aug. Day	8 Year 2005	
11.	Licensed water well driller or other person approved by	y the Department performing well	sealing.
	and the		
	Naitte	Complete License Number	
	2258 GRISSOM DRIVE	ST. LOUIS	<u>mo 63146</u>
	Address	City	State/ZIP

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631 R373338

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### WATER WELL SEALING FORM

RETURNALL COPIES TO IDPH OR LOCAL HEALTH DEPARTMENT

TYPE OR PRESS FIRMI	_ 1	ľ
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This form shall be submitted to this Department or the local health department not more than 30 days after a water well, boring or monitoring well is scaled. Such wells are to be scaled not more than 30 days after they are abandoned in accordance with the scaling requirements in the Water Well Construction Code—THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTITIED AT LEAST AS HOURS PRIOR TO SEALING.

503 1.	34 Ownership (Name of Controlling Party) WASTE	MANAGEMENT OF	FILINOIS
2.	Well Location MILAM R.D.F.	EAST ST. LOUIS	ST CLAIR
	Address - Lot Number	City	County
	General Description Township 2 (N)(S)	Range (E)(W)	Section
	NW Quarter of the NE Qua	rter of the NW Qua	urter 6 H
3.	Year Drilled 2003	·	
4.	Drilling Permit Number (and date, if known)	·	<del></del>
5.	Type of Well Bored Drilled_X Ot	her	
6.	Total Depth35 Diameter (	(inches) 2"	<del></del>
:	Formation clear of obstructionYes	_No	
8.	DETAILS OF PLUGGING	•	
	Filled with BENTONITE GROUT (cement or other materials)	from 0.0 to 35.	ft.
	Kind of plug	fromto	ft.
	Filled with	fromto	ft.
	Kind of plug	toto	fL
	Filled with	fromto	ft.
	Kind of plug	tromto	ft.
9.	CASING RECORD Upper 2 feet of casing removed		
10.	Date well was sealed Month Aug. Day_	8 <sup>Th</sup> Year <u>Z005</u> .	
11.	Licensed water, well driller or other person approved by	the Department performing well	sealing.
	Name 1427111	Complete License Number	
	2258 GRISSOM DRIVE Address	<u>ST. LOUIS</u> City	<u>MO 63146</u> State/ZIP

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center.

### WATER WELL SEALING FORM

RETURNALL COPIES TO IDPH OR LOCAL HEALTH DEPARTMENT

### TYPE OR PRESS FIRMLY

This form shall be submitted to this Department or the local health department not more than 30 days after a water well boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Water Well Construction Code: THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT OF

DEPĂI	TMENT MUST BE NOTIFIED AT LEAST 48 HOUR	S PRICK TO SEALING.	
GÖ	33 .	•	
1.	Ownership (Name of Controlling Party) WASTE	MANAGEMENT OF	ELLINOIS
2.	Well Location MILAM R.D.F	EAST ST. LOUIS	ST. CLAIR
	Address - Lot Number	City	County
	General Description Township N(S)	Range (E)(W)	Section 5
	NW Quarter of the NE Qu	arter of theQua	rter 6 <sub>H</sub>
3.	Year Drilled 2003		
4.	Drilling Permit Number (and date, if known)		<del></del>
5.	Type of Well Bored Drilled O		
6.	Total Depth 34 Diameter	(inches)2 1\	<del></del>
:	Formation clear of obstructionYes	_No	
8.	DETAILS OF PLUGGING		1
•	Filled with BEATON ITE GEOUT (cement or other materials)	from 0.0 to 34.	<u>O</u> ft.
	Kind of plug	fromto	ft_
	Filled with	fromto	ft_
٠.	Kind of plug	fromto	ft.
	Filled with	fromto	ft_
	Kind of plug	fromto	ft_
9.	CASING RECORD Upper 2 feet of casing removed		
10.	Date well was sealed Month Aug. Day	8 <sup>TH</sup> Year 2005	
11.	Licensed water well driller or other person approved t	y the Department performing well	
	( West of the	<u> </u>	P375992
	Name	Complete License Number	-
	2258 GRISSOM DRIVE	ST. LOUIS	mo 63146
	Address	City	State/ZIP

his state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure I this information is mandatory. This form has been approved by the Forms Management Center.

IL 482-0631

### WATER WELL SEALING FORM

RETURNALL COPIES TO IDPH OR LOCAL HEALTH DEPARTMENT

### TYPE OR PRESS FIRMLY

Address

This form shall be submitted to this Department or the local health department not more than 30 days after a water well boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Water Well Construction Code-THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLICHEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING. Ownership (Name of Controlling Party) WASTE MANAGEMENT OF ILLINOI Well Location MILAM R.D.F. EAST ST. LOUIS 2. Township 2 (N)(S) Range General Description NW Quarter of the NE Quarter of the NW Year Drilled\_2003 3. 4. Drilling Permit Number (and date, if known)\_\_\_\_\_ \_\_\_\_ Drilled\_X\_\_\_ Other 5. Type of Well \_\_\_\_ Diameter (inches) 6. Total Depth Formation clear of obstruction \_\_\_\_\_ Yes \_\_\_\_\_ No 7. 8. DETAILS OF PLUGGING Filled with BENTONITE GROUT from O.O to 35.0 ft (cement or other materials) from to ft. Kind of plug Filled with Kind of plug from to ft. Filled with from to ft. Kind of plug from to ft. CASING RECORD Upper 2 feet of casing removed Yes No 9. Date well was sealed Month AGG. Day 10. Licensed water, well driller or other person approved by the Department performing well sealing. 11. Complete License Number ST. LOUIS

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose 2s outlined under Public Act 85-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631

#### **ENTACT & Associates, LLC**

1010 Executive Court, Suite 280 Westmont, Illinois 60559 (630) 986-2900 (630) 986-0653 (fax)



### Former American Zinc Site – Technical Memorandum

To:

Melanie Gotto

Date:

February 18, 2008

From:

Jeff Stofferahn

Cc:

Pat Thomson, File

Subject:

Water Well Search

A water well search has been conducted for records associated with possible water wells located on the Former American Zinc Facility (Subject Facility) in Fairmont City, Illinois. To conduct this search, the Illinois Environmental Protection Agency (IEPA) Source Water Assessment Program (SWAP) ArcIMS Mapping Tool was utilized. This tool is a geographic information system that can be accessed on-line by registered users to search for water well record data compiled from databases maintained and updated by several state agencies, including the Illinois State Water Survey (ISWS), the Illinois State Geological Survey (ISGS), the Illinois Department of Public Health (IDPH), and the IEPA, Public Water Supply.

Searches were conducted by selecting the following search criteria; graphic depictions of each search result are presented in the corresponding figure numbers:

- ISWS Groundwater Data Figures 1A through 1B.
- ISGS Wells Figures 2A through 2D.
- Non-Community Water Supply Wells and Non-CWS Phase I Wellhead Protection Areas

   Figures 3A and 3B.
- Community Water Supply Wells, CWS Phase I and Phase II Wellhead Protection Areas and Adopted Maximum Setback Zones – Figures 4A and 4B.

Searches were conducted in order of decreasing scale to ensure that no records potentially associated with the Subject Facility were missed<sup>1</sup>. Initially searches were conducted as an overview of the general area of the facility, and focused upon the entire facility itself. If no records were returned, the search for If no records were found in the Site or in the immediate vicinity,

<sup>&</sup>lt;sup>1</sup> Multiple searches of a given area are typically performed at different scales, as some records may not present if the scale is too large. In addition, data records may be clustered, and all the records associated with a given point may not present until the scale is decreased sufficiently.

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### ISWS Groundwater Data

As depicted in Figures 1A through 1C, the search revealed five ISWS records that plotted on the Subject Facility:

ArcIHMs Site ID	ISWS Site Name	Well Type	Well Depth (feet)
15948	15787	Private	122
15946	15785	Private	110
15949	15788	Private	100
15947	15786	Private	112
15945	15784	Private	100

Access to information available from the ISWS was provided through hyperlink through the ArcsIMS system, and is presented in Attachment A. All five data points represent water sampling from private wells. These are likely to be associated with one or more of the ISGS water wells plotted on the Subject Facility (see ISGS Well Data below).

In addition, there are a total seven data points located immediately to the east of the Subject Facility, summarized below, and generally depicted in Figure 1-D<sup>2</sup>. Note that Site IDs 15939 - 15941 are not depicted but are associated with a cluster of data points depicted by IDs 15942 and 15943. Copies of the ISWS data are also presented in Attachment A. Some of these records may be associated with ISGS wells on the General Chemical Site (see ISGS Well Data below).

ArcIHMs Site ID	ISWS Site Name	Well Type	Well Depth (feet)
15939	15778	Private	98
15940	15779	Private	124
15941	15780	Private	115
15942	15781	Private	117
15943	15782	Private	ND
15938	15777	Private	115
15966	15805	Private	124

### ISGS Well Data

The search revealed four ISGS wells plotted on the Subject Facility (well 01886 is associated with 01887 and 01888):

ArcIHMs Site ID	API Number	Well Type	Owner	Well Depth (feet)
29275	121632927500	Water	<b>A</b>	223
01886	121630188600	Water	American Zinc	122
01887	121630188700	Water	United Engrs	117
01888	121630188700	Water	United Engrs	123

EX.6

<sup>&</sup>lt;sup>2</sup> According to IEPA, the physical location of records other than those for community water supply wells has not been field verified, thus records plotted near the Subject facility were checked to determine if they might be associated with the Subject Facility.

### **ENTACT & Associates, LLC**

1010 Executive Court, Suite 280 Westmont, Illinois 60559 (630) 986-2900 (630) 986-0653 (fax)



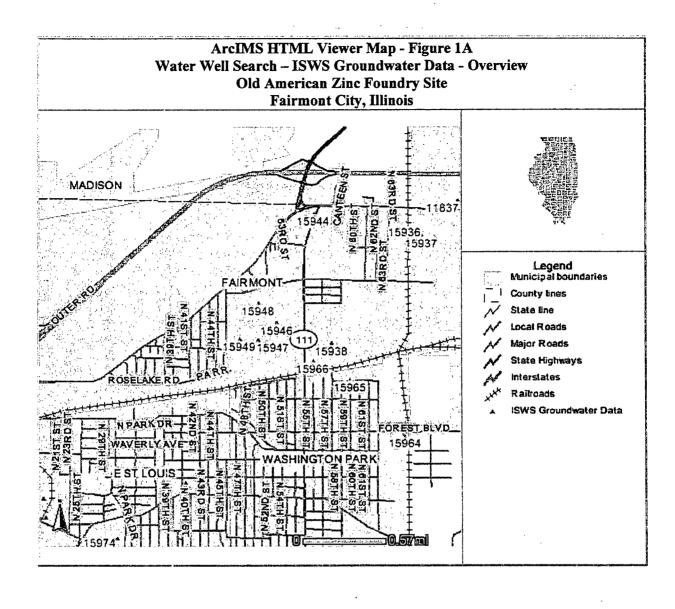
Access to well log information available from the ISGS was provided through hyperlink through the ArcsIMS system, and is presented in Attachment B

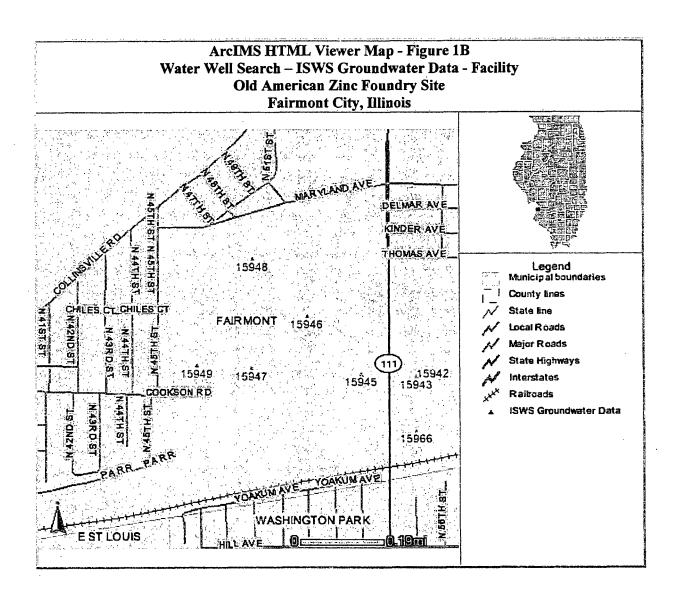
In addition, there are a total seven wells located immediately to the east and south of the Subject Facility, summarized below. These records are either engineering logs which appear to be associated with borings placed near Kings Highway and or the railroad, or are water supply wells owned by General Chemical or the railroad.

ArcIHMs Site ID	API Number	Well Type	Owner	Well Depth (feet)
28770	121632877000	Engineering	FAU 9237	66
28771	121632877100	Engineering	FAU 9237	33
28772	121632877200	Engineering	FAU 9237	30
08194	121630189400	Water	Penn R R	119
01442	121630144200	Water	General Chemical	115
.01885	121630188500	Water	General Chemical	116
01884	121630188400	Water	General Chemical	120

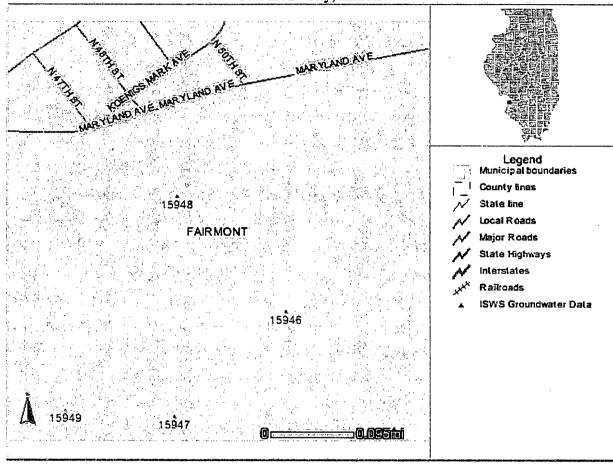
### Non-Community and Community Water Supply Well Data

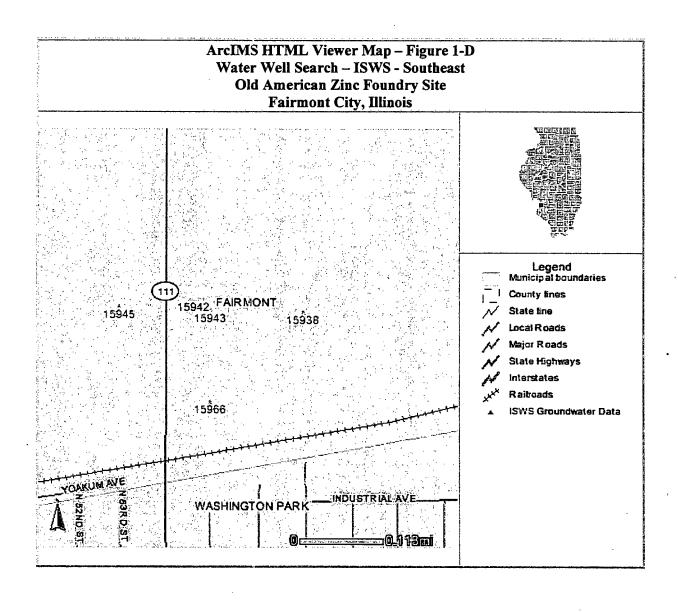
The search revealed no non-community or community water supply wells on or near the Subject Facility (Figures 3A and B, and 4A and B, respectively).

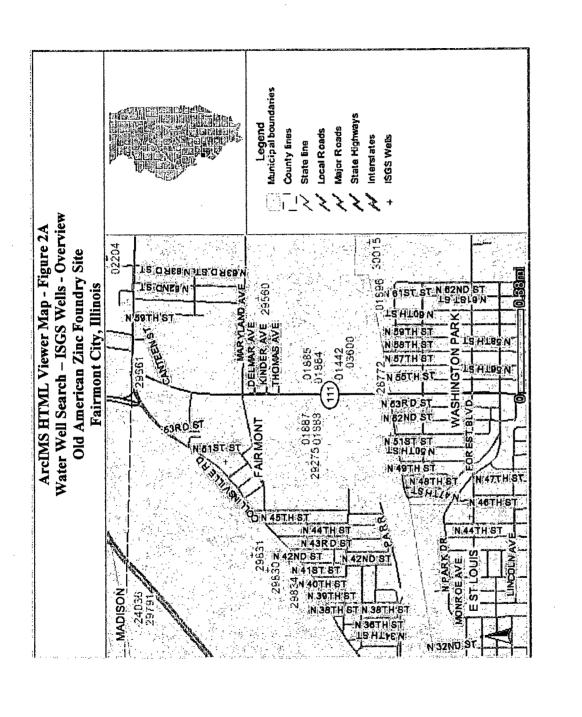


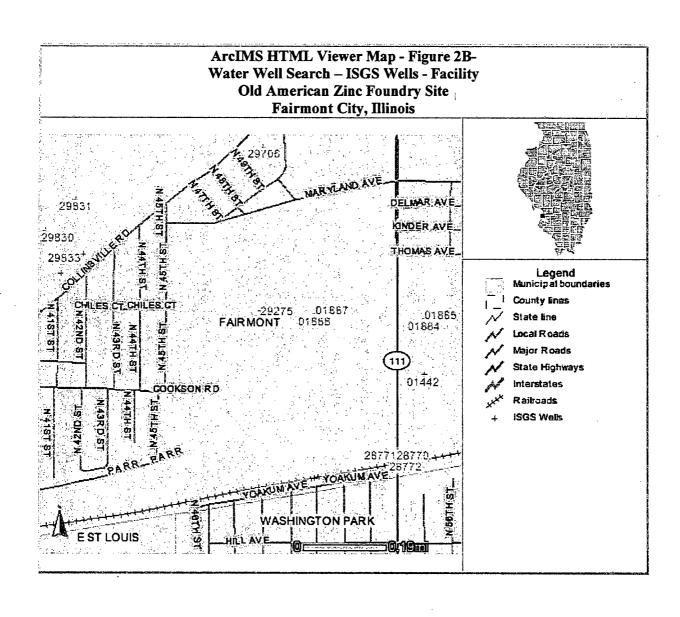


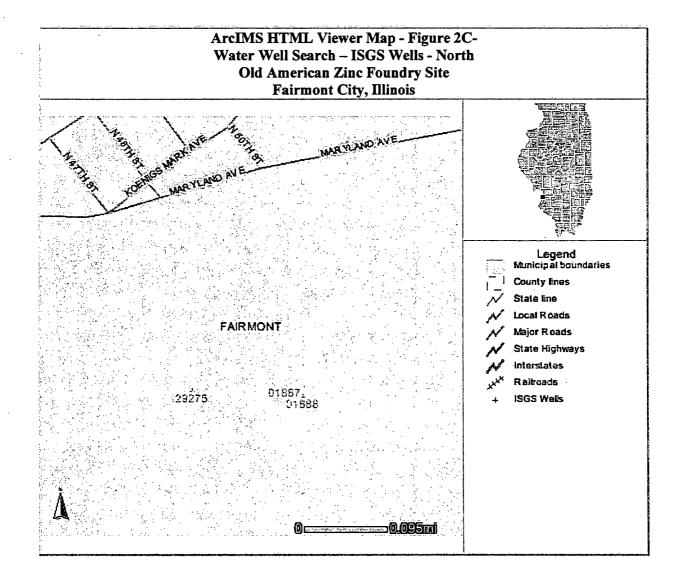
# ArcIMS HTML Viewer Map - Figure 1C Water Well Search – ISWS Groundwater Data – North End Old American Zinc Foundry Site Fairmont City, Illinois

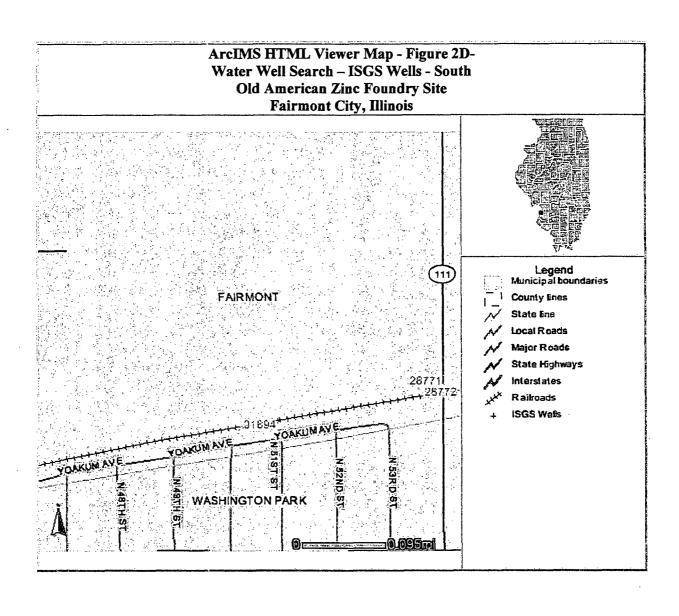


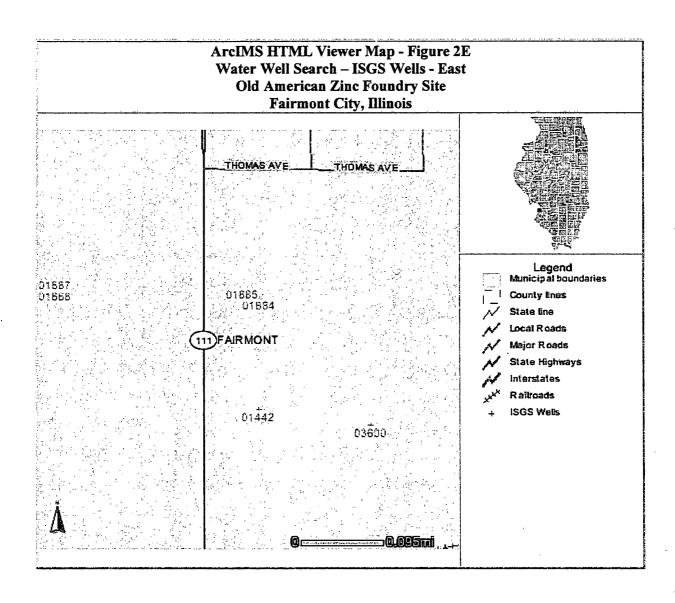


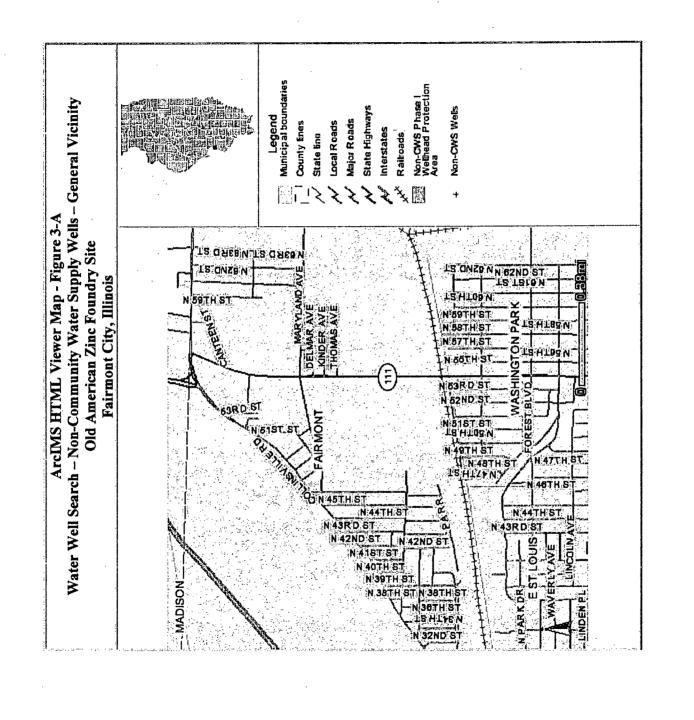




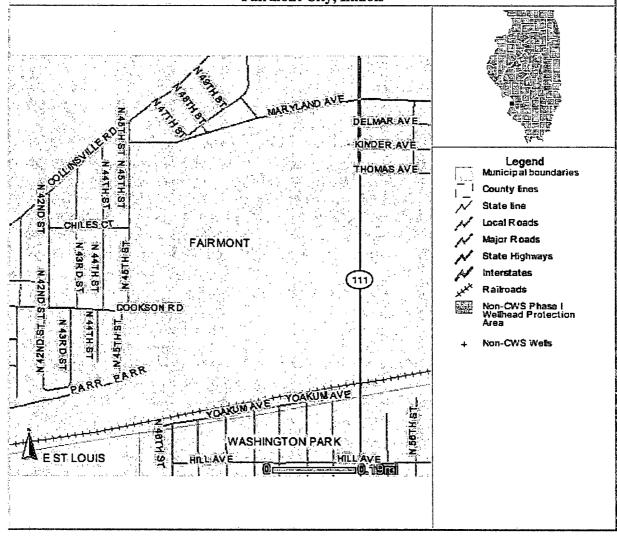




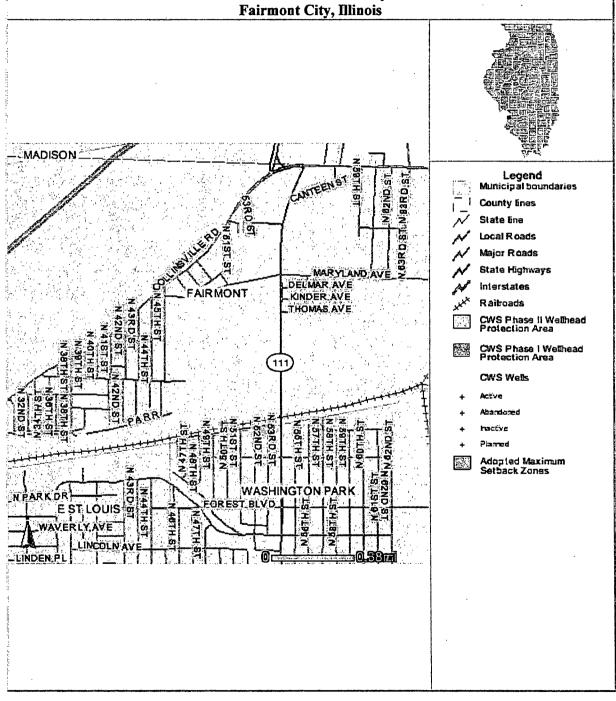




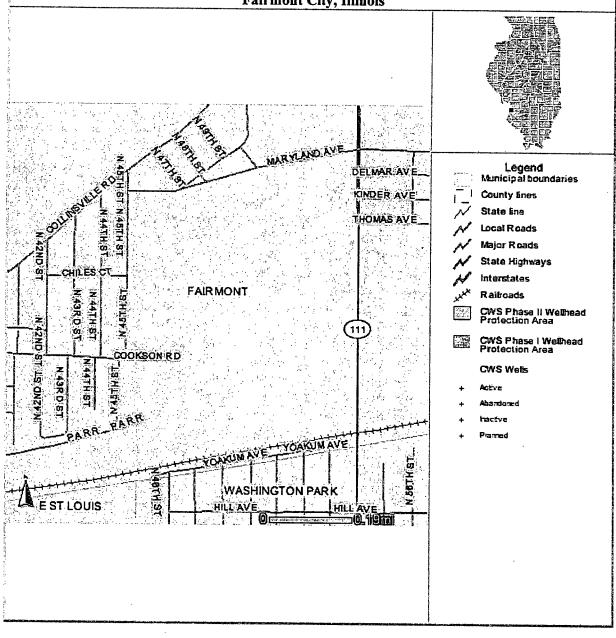
# ArcIMS HTML Viewer Map - Figure 3-B Water Well Search - Non-Community Water Supply Wells - Subject Facility Old American Zinc Foundry Site Fairmont City, Illinois



# ArcIMS HTML Viewer Map - Figure 4-A Water Well Search —Community Water Supply Wells —General Vicinity Old American Zinc Foundry Site Fairmont City, Illinois



# ArcIMS HTML Viewer Map - Figure 4-B Water Well Search - Community Water Supply Well – Subject Facility Old American Zinc Foundry Site Fairmont City, Illinois



## Site Information

			(1) 12 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
Site Name	<u>Location</u>	Well No.	<u>Depth</u>
15787			122 ft.
· ·			
Source Type	Treatment	<u>Aquifer</u>	Records ID
PRIVATE WELL	NONE	.0101	

# Sample Information

Sample Number	Sample Date	Database Sample ID	
0095725		24765	

Storet Number	<u>Value</u>
生物。建筑	
00410	314
00900	401
00941	13
01045	6200
70300	477
71874	U 0
71875	U 0

EX.6 1 REDACTION

### Site Information

	1945页的图像		
Site Name	<u>Location</u>	Well No.	<u>Depth</u>
15785			110 ft.
Source Type	Treatment	Aquifer	Records ID
PRIVATE WELL	NONE	0101	

Sample Information

Marin State of State and Charles	The Contract of the Abstract Section	Car tradex, and the part of the more transfer of the feet	The standard of the second of the second of the second of the
		Database Sample ID	
0095726		24763	

Storet Number	<u>Value</u>	
00410	382	
00900	919	
00941	5	
01045	4200	
70300	1176	
71874	U 0	
71875	U 0	

EX. 6 | REDACTION

### Site Information

STATE OF STATE		284 77 28	ne de la companya de la companya de la companya de la companya de la companya de la companya de la companya de
Site Name	Location	Well No.	<u>Depth</u>
15788		•	100 ft.
Course Trees	Tractment	A anifor	Pagarda ID
Source Type	<u>Treatment</u>	<u>Aquifer</u>	Records ID
PRIVATE WELL	NONE	0101	2000年上7000年2000年2000年2000年2000年2000年2000

Sample Information

			CONTRACTOR OF THE PROPERTY OF
Sample Number	Sample Date	Database Sample ID	
0095864		24766	

Storet Number	<u>Value</u>
00410	270
00900	1273
00941	43
01045	12400
70300	1882
71874	U 0
71875	U 0

EX. 6

### Site Information

	4.12.77.14		i ka suko in i	1. 11. 12
Site Name	Location	Well No.	<u>Depth</u>	
15786	Carlo State Cont.	Sec (2)	112 ft.	•
Source Type	Treatment	<u>Aquifer</u>	Records ID	
PRIVATE WELL	NONE	0101		

# Sample Information

LANCE OF THE PROPERTY OF THE PROPERTY OF		
Sample Number	Sample Date	Database Sample ID
0095772		24764

Storet Number	<u>Value</u>
00410	312
00900	938
00941	52
01045	7600
70300	1035
71874	U 0
71875	U 0

EX.6 1 REDARTION

### Site Information

Site Name	Location	Well No.	<u>Depth</u>
15784			100 ft.
Source Type	Treatment	<u>Aquifer</u>	Records ID
PRIVATE WELL	NONE	0101	

Sample Information

Sample Number	Sample Date	Database Sample ID			
0190249		24762			

Storet Number	<u>Value</u>
00070	201
00410	368
71850	0
00650	50.2
00660	0
00900	1630
00941	140
00946	1691
00951	1.5
01045	128000
01055	680
70300	2875
71875	0 .

EX 6 (RESMETTON)

Site Information

				是是是是	
Site Name	Location	Well No.	<u>Depth</u>		٠.
				<b>3</b>	
15778			98 ft.		
			:		
Source Type	Treatment	<u>Aquifer</u>	Records ID	·	
PRIVATE WELL	NONE	0101		•	•

Sample Information

			100		id at the
Sample Number	Sample Date	Database Sample ID		٠	
					-
0036718		24756			

Storet Number	<u>Va</u>	lue
00410		360
00941		10
70300		800
71874	U	0
71875	U	0

EX.6 1 REDACTION

### Site Information

Site Name	<u>Location</u>	Well No.	<u>Depth</u>		
15779	<b>的是这个人的一个人</b>	. •	124 ft.	•	*
Source Type	Treatment	<u>Aquifer</u>	Records ID		
PRIVATE WELL	NONE	0101	•	•	

## Sample Information

		.0
Sample Number Sample Date	Database Sample ID	
0096388	24757	

Storet Number	<u>Value</u>
00410	430
00900	1533
00916	312.9
00927	179
00929	136
00941	23
00946	1299
01045	58000
70300	2300
71874	U 0
71875	U 0
and the second s	

# Site Information

			<b>阿克拉克斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯</b>	Š
Site Name	Location	Well No.	<u>Depth</u>	
15780	TENERS OF THE PERSON		115 ft.	
Source Type	Treatment	<u>Aquifer</u>	Records ID	
PRIVATE WELL	NONE	0101	•	

Sample Information

St. P. S. L. Land Mark St. Phys. B 5 Chapter Section 1	المنطقة والمنطقة المسترات والمنطقة	The contract of the contract with the contract of the contract	в
Sample Number	Sample Date	Database Sample ID	
0096505		24758	

Storet Number	<u>Value</u>
00410	382
.00900	408
00941	5
01045	6200
70300	450
71874	U 0
71875	U 0

EX.6 | REDACTION

## Site Information

70.00 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100				
Site Name	Location	Well No.	<u>Depth</u>	
				•
15781			117 ft.	
Source Type	Treatment	<u>Aquifer</u>	Records ID	•
PRIVATE WELL	L - NONE	0101	•	•

Sample Information

	102		(2)
Sample Number	Sample Date	Database Sample ID	,
0096561	:	24759	

Storet Number	<u>Value</u>
00410	290
00900	617
00941	` 12
01045	6600
70300	742
71874	U 0
71875	U 0

EX 6 RESPECTION

### Site Information

Reference of the				
Site Name	Location.	Well No.	<u>Depth</u>	
				•
15782	CHEST STREET	•	ft.	• •
			<b>.</b>	
Source Type	<u>Treatment</u>	<u>Aquiter</u>	Records ID	
				•
PRIVATE WELL	NONE	0101		

# Sample Information

Sample Number	Sample Date	Database Sample ID			
			•		•
0113384		24760			

Storet Number	<u>Value</u>
00410	324
00900	353
00941	5
00946	32
01045	14800
70300	369
71874	U 0
71875	U 0 ·

## Site Information

		4-31-6	
Site Name	Location	Well No.	<u>Depth</u>
15777	Secretary Services	*	115 ft.
Source Type	<u>Treatment</u>	<u>Aquifer</u>	Records ID
PRIVATE WELL	NONE	0101	

## Sample Information

			ar a la sur de		ectric.
Sample Number	Sample Date	Database Sample	<u>: ID</u>		
0190242		24755		•	

Storet Number	<u>Value</u>
00070	321
71850	0.4
00900	1040
00941	17
00946	1008
00951	8.0
01045	56000
01055	5870
70300	1590

EX. 6 REDACTION

## Site Information

<b>以为《新教》。</b>	Moral Section 14			44
Site Name	<u>Location</u>	Well No.	<u>Depth</u>	
15805	GER STATE OF THE S	,	124 ft.	
Source Type	Treatment	Aquifer	Records ID	
Source Type	<u>Heament</u>	Admici	Records ID	
PRIVATE WELL	NONE	0101	productive and the state of the	

# Sample Information

Company of the Company			A. H. State,	114	
Sample Number	Sample Date	Database Sample ID	•		٠.
				•	4
0095492	. •	24783			

Storet Number	<u>Value</u>
00410	332
00900	360
00941	5
01045	3800
70300	414
71874	U 0
71875	U 0